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August 4, 2016

**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. 160001-EI

Dear Ms. Stauffer:

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

1. Petition of Tampa Electric Company.
2. Prepared Direct Testimony and Exhibit (PAR-2) of Penelope A. Rusk regarding Fuel and Purchased Power Cost Recovery and Capacity Cost Recovery Actual/Estimated True-Up for the Period January 2016 through December 2016.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
Attachment

cc: All Parties of Record (w/attachment)

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and Testimony and Exhibit of Penelope A. Rusk, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 4<sup>th</sup> day of August 2016, to the following:

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\_\_\_\_\_  
ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery ) DOCKET NO. 160001-EI  
Clause with Generating Performance Incentive )  
Factor. ) FILED: August 4, 2016  
\_\_\_\_\_ )

**PETITION OF TAMPA ELECTRIC COMPANY**

Tampa Electric Company ("Tampa Electric" or "company"), hereby petitions the Commission for approval of the company's actual/estimated fuel and purchased power cost recovery and capacity cost recovery true-up amounts for the period January 2016 through December 2016, and its 2017 Risk Management Plan. In support thereof, Tampa Electric incorporates the prepared direct testimony and exhibits of Tampa Electric witnesses Penelope A. Rusk and J. Brent Caldwell.

**Fuel and Purchased Power Cost Recovery**

1. Tampa Electric projects an actual/estimated true-up amount for the January 2016 through December 2016 period, which is based on actual data for the period January 1, 2016 through June 30, 2016 and revised estimates for the period July 1, 2016 through December 31, 2016, to be an over-recovery of \$104,581,497. (See Exhibit No. PAR-2, Document No. 1, Schedule E-1B.)

**Capacity Cost Recovery**

2. Tampa Electric projects an actual/estimated true-up amount for the January 2016 through December 2016 period, which is based on actual data for the period January 1, 2016 through June 30, 2016 and revised estimates for the period July 1, 2016 through December 31, 2016, to be an under-recovery of \$536,366. (See Exhibit No. PAR-2, Document No. 2, Page 1 of 5.)

**2017 Risk Management Plan**

3. Tampa Electric submits its 2017 Risk Management Plan, sponsored by Tampa Electric witness J. Brent Caldwell. (See Exhibit No. JBC-2.)

4. Tampa Electric is not aware of any disputed issues of material fact regarding any of the matters stated or relief requested in this petition.

WHEREFORE, Tampa Electric Company requests that the Commission approve Tampa Electric's actual/estimated true-up amounts for fuel and purchased power cost recovery and capacity cost recovery for the period January 1, 2016 through December 31, 2016, and the company's 2017 Risk Management Plan.

DATED this 4<sup>th</sup> day of August 2016.

Respectfully submitted,



---

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I HEREBY CERTIFY that a true copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 4th day of August 2016, to the following:

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\_\_\_\_\_  
ATTORNEY



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 160001-EI  
IN RE: TAMPA ELECTRIC'S  
FUEL & PURCHASED POWER COST RECOVERY  
AND CAPACITY COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP  
JANUARY 2016 THROUGH DECEMBER 2016

TESTIMONY AND EXHIBIT  
OF  
PENELOPE A. RUSK



1                                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2                                   **PREPARED DIRECT TESTIMONY**

3                                   **OF**

4                                   **PENELOPE A. RUSK**

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

7  
8   **A.**   My name is Penelope A. Rusk. My business address is 702  
9           North Franklin Street, Tampa, Florida 33602. I am  
10          employed by Tampa Electric Company ("Tampa Electric" or  
11          "company") in the position of Manager, Rates in the  
12          Regulatory Affairs Department.

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

16  
17   **A.**   I hold a Bachelor of Arts degree in Economics from the  
18          University of New Orleans and a Master of Arts degree in  
19          Economics from the University of South Florida. I joined  
20          Tampa Electric in 1997, as an Economist in the Load  
21          Forecasting Department. In 2000, I joined the Regulatory  
22          Affairs Department, where I have assumed positions of  
23          increasing responsibility during my 19 years of electric  
24          utility experience, including load forecasting, managing  
25          cost recovery clauses, project management, and rate

1 setting activities for wholesale and retail rate cases.  
2 My current duties include managing cost recovery for fuel  
3 and purchased power, interchange sales, capacity  
4 payments, and approved environmental projects.

5

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

7

8 **A.** The purpose of my testimony is to present, for Commission  
9 review and approval, the calculation of the January 2016  
10 through December 2016 fuel and purchased power and  
11 capacity actual/estimated true-up amounts to be recovered  
12 in the January 2017 through December 2017 projection  
13 period. My testimony addresses the recovery of fuel and  
14 purchased power costs as well as capacity costs for the  
15 year 2016, based on six months of actual data and six  
16 months of estimated data. This information will be used  
17 in the determination of the 2017 fuel and purchased power  
18 costs and capacity cost recovery factors.

19

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

21

22 **A.** Yes. I have prepared Exhibit No. PAR-2, which consists of  
23 three documents. Document No. 1 includes Schedules E1-B,  
24 E-2, E-3, E-4, E-5, E-6, E-7, E-8, and E-9, which provide  
25 the actual/estimated fuel and purchased power cost

1 recovery true-up amount for the period January 2016  
2 through December 2016. Document No. 2 provides the  
3 actual/estimated capacity cost recovery true-up amount  
4 for the period of January 2016 through December 2016.  
5 Document No. 3 provides the actual/ estimated capital  
6 costs and fuel savings during the period of January 2016  
7 through December 2016 for capital projects authorized for  
8 cost recovery through the fuel clause. Document No. 3  
9 also provides the capital structure components and cost  
10 rates relied upon to calculate the revenue requirement  
11 rate of return for the project. These documents are  
12 furnished as support for the projected true-up amount for  
13 this period.

14  
15 **Fuel and Purchased Power Cost Recovery Factors**

16 **Q.** What has Tampa Electric calculated as the estimated net  
17 true-up amount for the current period to be applied in  
18 the January 2017 through December 2017 fuel and purchased  
19 power cost recovery factors?

20  
21 **A.** The estimated net true-up amount applicable for the  
22 period January 2017 through December 2017 is an over-  
23 recovery of \$122,639,796.

24  
25 **Q.** How did Tampa Electric calculate the estimated net true-

1 up amount to be applied in the January 2017 through  
2 December 2017 fuel and purchased power cost recovery  
3 factors?  
4

5 **A.** The net true-up amount to be recovered in 2017 is the sum  
6 of the final true-up amount for the period January 2015  
7 through December 2015 and the actual/estimated true-up  
8 amount for the period January 2016 through December 2016.  
9

10 **Q.** What did Tampa Electric calculate as the final fuel and  
11 purchased power cost recovery true-up amount for 2015?  
12

13 **A.** The final true-up is an over-recovery of \$18,058,299. The  
14 actual fuel cost over-recovery, including interest is  
15 \$45,648,849 for the period January 2015 through December  
16 2015. The \$45,648,849 amount, less the actual/ estimated  
17 over-recovery amount of \$27,590,550 approved in Order No.  
18 PSC-15-0586-FOF-EI, issued December 23, 2015 in Docket  
19 No. 150001-EI results in a net over-recovery amount for  
20 the period of \$18,058,299.  
21

22 **Q.** What did Tampa Electric calculate as the actual/estimated  
23 fuel and purchased power cost recovery true-up amount for  
24 the period January 2016 through December 2016?  
25

1 **A.** The actual/estimated fuel and purchased power cost  
2 recovery true-up is an over-recovery amount of  
3 \$104,581,497 for the January 2016 through December 2016  
4 period. The detailed calculation supporting the actual/  
5 estimated current period true-up is shown in Exhibit No.  
6 PAR-2, Document No. 1 on Schedule E1-B.

7

8 **Capacity Cost Recovery Clause**

9 **Q.** What has Tampa Electric calculated as the estimated net  
10 true-up amount to be applied in the January 2017 through  
11 December 2017 capacity cost recovery factors?

12

13 **A.** The estimated net true-up amount applicable for January  
14 2017 through December 2017 is an under-recovery of  
15 \$2,986,060 as shown in Exhibit No. PAR-2, Document No. 2,  
16 page 2 of 5.

17

18 **Q.** How did Tampa Electric calculate the estimated net true-  
19 up amount to be applied in the January 2017 through  
20 December 2017 capacity cost recovery factors?

21

22 **A.** The net true-up amount to be recovered in the 2017  
23 capacity cost recovery factors is the sum of the final  
24 true-up amount for 2015 and the actual/estimated true-up  
25 amount for January 2016 through December 2016.

1 Q. What did Tampa Electric calculate as the final capacity  
2 cost recovery true-up amount for 2015?

3

4 A. The final 2015 true-up is an under-recovery of  
5 \$2,449,694. The actual capacity cost under-recovery  
6 including interest was \$245,925 for the period January  
7 2015 through December 2015. This amount, less the  
8 \$2,203,769 actual/estimated over-recovery amount approved  
9 in Docket No. 150001-EI, Order No. PSC-15-0586-FOF-EI,  
10 issued December 23, 2015 results in a net under-recovery  
11 amount for the period of \$2,449,694 as identified in  
12 Exhibit No. PAR-2, Document No. 2, page 1 of 5.

13

14 Q. What did Tampa Electric calculate as the actual/estimated  
15 capacity cost recovery true-up amount for the period  
16 January 2016 through December 2016?

17

18 A. The actual/estimated true-up amount is an under-recovery  
19 of \$536,366 as shown on Exhibit No. PAR-2, Document No.  
20 2, page 1 of 5.

21

22 **Capital Projects Approved for Fuel Clause Recovery**

23 Q. Please describe the capital project costs that have been  
24 authorized for recovery through the fuel clause.

25

1 **A.** Document No. 3 of Exhibit No. PAR-2 provides the capital  
2 costs and fuel savings for the Polk Unit 1 and the Big  
3 Bend Units 1-4 ignition conversion projects for the  
4 period January 2016 through December 2016. This document  
5 also contains the capital structure components and cost  
6 rates relied upon to calculate the revenue requirements  
7 rate of return on capital projects recovered through the  
8 fuel clause.

9  
10 The Polk Unit 1 ignition conversion project capital  
11 costs, including depreciation and return, for the period  
12 January 2016 through December 2016 are less than the  
13 project's fuel savings. This is shown on Exhibit No. PAR-  
14 2, Document No. 3, page 1, line 33. Therefore, the Polk  
15 Unit 1 ignition conversion project capital costs should  
16 be recovered through the fuel clause in accordance with  
17 FPSC Order No. PSC-12-0498-PAA-EI, issued in Docket No.  
18 120153-EI on September 27, 2012.

19  
20 The Big Bend Units 1-4 ignition conversion project  
21 capital costs, including depreciation and return, for the  
22 period are less than the fuel savings resulting from the  
23 project, as shown on Exhibit No. PAR-2, Document No. 3,  
24 page 2, line 33. Therefore, the Big Bend Units 1-4  
25 ignition conversion project capital costs should be

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recovered through the fuel clause in accordance with FPSC  
Order No. PSC-14-0309-PAA-EI, issued in Docket No.  
140032-EI on June 12, 2014.

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

**A.** Yes, it does.



**EXHIBIT TO THE TESTIMONY OF**

**PENELOPE A. RUSK**

**DOCUMENT NO. 1**

**FUEL AND PURCHASED POWER COST RECOVERY**

**ACTUAL / ESTIMATED**

**JANUARY 2016 THROUGH DECEMBER 2016**

**TAMPA ELECTRIC COMPANY**

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4-5	Schedule E3 Generating System Comparative Data	( " )
6-17	Schedule E4 System Net Generation and Fuel Cost	( " )
18-19	Schedule E5 Inventory Analysis	( " )
20-21	Schedule E6 Power Sold	( " )
22-23	Schedule E7 Purchased Power	( " )
24	Schedule E8 Energy Payment to Qualifying Facilities	( " )
25	Schedule E9 Economy Energy Purchases	( " )

TAMPA ELECTRIC COMPANY  
CALCULATION OF ESTIMATED TRUE-UP  
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016

SCHEDULE E1-B

	ACTUAL						ESTIMATED						TOTAL
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
A. 1. Fuel Cost of System Net Generation	43,911,504	37,828,036	38,162,586	38,997,539	51,595,289	52,186,421	59,355,953	55,466,586	49,337,895	49,382,032	34,877,852	41,017,617	552,119,310
2. Fuel Cost of Power Sold <sup>(1)</sup>	772,750	178,465	149,075	239,475	140,843	85,065	58,037	60,876	53,882	46,781	44,461	42,625	1,872,335
3. Fuel Cost of Purchased Power	1,024,587	3,044,319	2,858,374	2,551,581	5,510,678	7,259,443	7,517,200	6,785,540	5,911,060	2,905,590	2,012,000	883,620	48,263,992
3a. Demand and Non-Fuel Cost of Purchased Pwr	0	0	0	0	0	0	0	0	0	0	0	0	0
3b. Payments to Qualifying Facilities	377,381	367,240	467,423	566,879	445,937	412,546	350,710	188,720	163,740	142,640	175,110	133,840	3,792,166
4. Energy Cost of Economy Purchases	235,532	71,820	159,720	387,642	367,914	529,448	828,180	914,820	708,960	719,370	746,570	802,800	6,472,776
5. Adj. Big Bend Units 1-4 Igniters Conversion Project	483,807	482,190	479,622	477,068	474,468	471,854	468,174	465,584	462,992	460,401	457,809	455,218	5,639,187
5a. Adj. Polk 1 Ignition Conversion	328,799	326,781	350,036	297,465	320,722	318,702	316,263	314,263	312,262	310,260	308,258	306,257	3,810,068
5b. Adj. Polk Warm Gas Cleanup	(97,988)	(91,513)	0	(223,022)	(65,890)	0	0	0	0	0	0	0	(478,413)
<b>6. TOTAL FUEL &amp; NET POWER TRANS.</b>	<b>45,490,872</b>	<b>41,850,408</b>	<b>42,328,686</b>	<b>42,815,677</b>	<b>58,508,275</b>	<b>61,093,349</b>	<b>68,778,443</b>	<b>64,074,637</b>	<b>56,843,027</b>	<b>53,873,512</b>	<b>38,533,138</b>	<b>43,556,727</b>	<b>617,746,751</b>
<sup>(1)</sup> Includes Gains													
B. 1. Jurisdictional MWH Sales	1,507,012	1,359,534	1,298,063	1,411,115	1,520,108	1,800,205	1,851,022	1,853,811	1,904,945	1,679,910	1,408,899	1,391,834	18,986,458
2. Non-Jurisdictional MWH Sales	0	0	765	900	402	1,811	3,010	2,970	2,060	280	0	240	12,438
<b>3. TOTAL SALES (LINE B1+B2)</b>	<b>1,507,012</b>	<b>1,359,534</b>	<b>1,298,828</b>	<b>1,412,015</b>	<b>1,520,510</b>	<b>1,802,016</b>	<b>1,854,032</b>	<b>1,856,781</b>	<b>1,907,005</b>	<b>1,680,190</b>	<b>1,408,899</b>	<b>1,392,074</b>	<b>18,998,896</b>
<b>4. Jurisdictional % of Total Sales</b>	<b>1.0000000</b>	<b>1.0000000</b>	<b>0.9995379</b>	<b>0.9994432</b>	<b>0.9998203</b>	<b>0.9989962</b>	<b>0.9988451</b>	<b>0.9987408</b>	<b>0.9990011</b>	<b>0.9998526</b>	<b>1.0000000</b>	<b>0.9998186</b>	<b>-</b>
C. 1. Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	54,861,280	49,241,664	46,763,520	51,060,014	55,429,679	66,591,818	68,697,387	68,787,117	70,756,513	61,714,705	51,062,699	50,325,258	695,291,654
1a. Adjustment to Fuel Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
2. True-up Provision	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,213	2,299,207	27,590,550
2a. Incentive Provision	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,883)	(104,887)	(1,258,600)
<b>3. FUEL REVENUE APPLICABLE TO PERIOD</b>	<b>57,055,610</b>	<b>51,435,994</b>	<b>48,957,850</b>	<b>53,254,344</b>	<b>57,624,009</b>	<b>68,786,148</b>	<b>70,891,717</b>	<b>70,981,447</b>	<b>72,950,843</b>	<b>63,909,035</b>	<b>53,257,029</b>	<b>52,519,578</b>	<b>721,623,604</b>
4. Total Fuel and Net Power Transactions (Line A6)	45,490,872	41,850,408	42,328,686	42,815,677	58,508,275	61,093,349	68,778,443	64,074,637	56,843,027	53,873,512	38,533,138	43,556,727	617,746,751
5. Jurisd. Total Fuel and Net Power Transactions (Line A6*Line B4)	45,490,872	41,850,408	42,309,127	42,791,837	58,497,761	61,032,022	68,699,011	63,993,954	56,786,247	53,865,571	38,533,138	43,548,826	617,398,774
5a. Jurisdictional Loss Multiplier	1.00000	1.00000	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00000	1.00018	-
5b. Jurisdictional Sales Adjusted for Line Losses	45,490,872	41,850,408	42,316,743	42,799,540	58,508,291	61,043,008	68,711,377	64,005,473	56,796,469	53,875,267	38,533,138	43,556,665	617,487,251
5c. Other	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6. JURISD. TOTAL FUEL AND NET POWER TRANSACTIONS</b>	<b>45,490,872</b>	<b>41,850,408</b>	<b>42,316,743</b>	<b>42,799,540</b>	<b>58,508,291</b>	<b>61,043,008</b>	<b>68,711,377</b>	<b>64,005,473</b>	<b>56,796,469</b>	<b>53,875,267</b>	<b>38,533,138</b>	<b>43,556,665</b>	<b>617,487,251</b>
7. Over/(Under) Recovery	11,564,738	9,585,586	6,641,107	10,454,804	(884,282)	7,743,140	2,180,340	6,975,974	16,154,374	10,033,768	14,723,891	8,962,913	104,136,353
7a. Prior Months Interest adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Interest Provision	16,593	19,915	23,187	23,324	23,421	25,277	24,650	25,387	43,427	66,641	73,439	79,883	445,144
<b>9. TOTAL ESTIMATED TRUE-UP FOR THE PERIOD</b>													<b>104,581,497</b>

**TAMPA ELECTRIC COMPANY**  
**FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION**  
**ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016**

SCHEDULE E2

	(a)	(b)	(c)	Actual		(e)	(f)	(g)	(h)	Estimated		(k)	(l)	TOTAL PERIOD
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16		
1. Fuel Cost of System Net Generation	43,911,504	37,828,036	38,162,586	38,997,539	51,595,289	52,186,421	59,355,953	55,466,586	49,337,895	49,382,032	34,877,852	41,017,617	552,119,310	
2. Nuclear Fuel Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0	
3. Fuel Cost of Power Sold <sup>(1)</sup>	772,750	178,465	149,075	239,475	140,843	85,065	58,037	60,876	53,882	46,781	44,461	42,625	1,872,335	
4. Fuel Cost of Purchased Power	1,024,587	3,044,319	2,858,374	2,551,581	5,510,678	7,259,443	7,517,200	6,785,540	5,911,060	2,905,590	2,012,000	883,620	48,263,992	
5. Demand and Non-Fuel Cost of Purchased Power	0	0	0	0	0	0	0	0	0	0	0	0	0	
6. Payments to Qualifying Facilities	377,381	367,240	467,423	566,879	445,937	412,546	350,710	188,720	163,740	142,640	175,110	133,840	3,792,166	
7. Energy Cost of Economy Purchases	235,532	71,820	159,720	387,642	367,914	529,448	828,180	914,820	708,960	719,370	746,570	802,800	6,472,776	
8. Adj. Big Bend Units 1-4 Igniters Conversion Project	483,807	482,190	479,622	477,068	474,468	471,854	468,174	465,584	462,992	460,401	457,809	455,218	5,639,187	
9. Adj. Polk 1 Ignition Conversion	328,799	326,781	350,036	297,465	320,722	318,702	316,263	314,263	312,262	310,260	308,258	306,257	3,810,068	
10. Adj. Polk Warm Gas Cleanup	(97,988)	(91,513)	0	(223,022)	(65,890)	0	0	0	0	0	0	0	(478,413)	
<b>11. TOTAL FUEL &amp; NET POWER TRANSACTIONS</b>	<b>45,490,872</b>	<b>41,850,408</b>	<b>42,328,686</b>	<b>42,815,677</b>	<b>58,508,275</b>	<b>61,093,349</b>	<b>68,778,443</b>	<b>64,074,637</b>	<b>56,843,027</b>	<b>53,873,512</b>	<b>38,533,138</b>	<b>43,556,727</b>	<b>617,746,751</b>	
12. Jurisdictional MWh Sold	1,507,012	1,359,534	1,298,063	1,411,115	1,520,108	1,800,205	1,851,022	1,853,811	1,904,945	1,679,910	1,408,899	1,391,834	18,986,458	
13. Jurisdictional % of Total Sales	1.0000000	1.0000000	0.9995379	0.9994432	0.9998203	0.9989962	0.9988451	0.9987408	0.9990011	0.9998526	1.0000000	0.9998186	-	
14. Jurisdictional Total Fuel & Net Power Transactions (Line 11 * Line 13)	45,490,872	41,850,408	42,309,127	42,791,837	58,497,761	61,032,022	68,699,011	63,993,954	56,786,247	53,865,571	38,533,138	43,548,826	617,398,774	
15. Jurisdictional Loss Multiplier	1.00000	1.00000	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00018	1.00000	1.00018	-	
16. Jurisdictional Sales Adjusted for Line Losses (Line 14 * Line 15)	45,490,872	41,850,408	42,316,743	42,799,540	58,508,291	61,043,008	68,711,377	64,005,473	56,796,469	53,875,267	38,533,138	43,556,665	617,487,251	
17. Other	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>18. JURISD. TOTAL FUEL &amp; NET PWR. TRANS. (LINE 16+17)</b>	<b>45,490,872</b>	<b>41,850,408</b>	<b>42,316,743</b>	<b>42,799,540</b>	<b>58,508,291</b>	<b>61,043,008</b>	<b>68,711,377</b>	<b>64,005,473</b>	<b>56,796,469</b>	<b>53,875,267</b>	<b>38,533,138</b>	<b>43,556,665</b>	<b>617,487,251</b>	
19. Cost Per kWh Sold (Cents/kWh)	3.0186	3.0783	3.2600	3.0330	3.8490	3.3909	3.7121	3.4526	2.9815	3.2070	2.7350	3.1294	3.2523	
20. True-up (Cents/kWh) <sup>(2)</sup>	(0.1526)	(0.1691)	(0.1771)	(0.1629)	(0.1513)	(0.1277)	(0.1242)	(0.1240)	(0.1207)	(0.1369)	(0.1632)	(0.1652)	(0.1479)	
21. Total (Cents/kWh) (Line 19+20)	2.8660	2.9092	3.0829	2.8701	3.6977	3.2632	3.5879	3.3286	2.8608	3.0701	2.5718	2.9642	3.1044	
22. Revenue Tax Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
23. Recovery Factor Adjusted for Taxes (Cents/kWh) (Excluding GPIF)	2.8681	2.9113	3.0851	2.8722	3.7004	3.2655	3.5905	3.3310	2.8629	3.0723	2.5737	2.9663	3.1066	
24. GPIF Adjusted for Taxes (Cents/kWh) <sup>(2)</sup>	0.0070	0.0077	0.0081	0.0074	0.0069	0.0058	0.0057	0.0057	0.0055	0.0062	0.0074	0.0075	0.0067	
<b>25. TOTAL RECOVERY FACTOR (LINE 23+24)</b>	<b>2.8751</b>	<b>2.9190</b>	<b>3.0932</b>	<b>2.8796</b>	<b>3.7073</b>	<b>3.2713</b>	<b>3.5962</b>	<b>3.3367</b>	<b>2.8684</b>	<b>3.0785</b>	<b>2.5811</b>	<b>2.9738</b>	<b>3.1133</b>	
<b>26. RECOVERY FACTOR ROUNDED TO NEAREST 0.001 CENTS/KWH</b>	<b>2.875</b>	<b>2.919</b>	<b>3.093</b>	<b>2.880</b>	<b>3.707</b>	<b>3.271</b>	<b>3.596</b>	<b>3.337</b>	<b>2.868</b>	<b>3.079</b>	<b>2.581</b>	<b>2.974</b>	<b>3.113</b>	

<sup>(1)</sup> Includes Gains

<sup>(2)</sup> Based on Jurisdictional Sales Only

TAMPA ELECTRIC COMPANY  
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE  
ACTUAL FOR THE PERIOD: JANUARY 2016 THROUGH JUNE 2016

SCHEDULE E3

	ACTUAL					
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
<b>FUEL COST OF SYSTEM NET GENERATION (\$)</b>						
1. HEAVY OIL	0	0	0	0	0	0
2. LIGHT OIL	8,295	52,885	0	6,639	1,822,960	-1,757
3. COAL	17,634,085	13,721,127	13,363,297	10,323,782	25,882,809	25,822,614
4. NATURAL GAS	26,171,136	23,962,511	24,799,289	28,444,096	23,823,630	26,365,564
5. NUCLEAR	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0
<b>7. TOTAL (\$)</b>	<b>43,813,516</b>	<b>37,736,523</b>	<b>38,162,586</b>	<b>38,774,517</b>	<b>51,529,399</b>	<b>52,186,421</b>
<b>SYSTEM NET GENERATION (MWH)</b>						
8. HEAVY OIL	0	0	0	0	0	0
9. LIGHT OIL	20	143	0	19	0	0
10. COAL	554,751	364,137	378,729	296,540	637,431	720,961
11. NATURAL GAS	918,394	822,154	901,669	1,080,670	803,220	892,692
12. NUCLEAR	0	0	0	0	0	0
13. OTHER	186	271	287	257	350	292
<b>14. TOTAL (MWH)</b>	<b>1,473,351</b>	<b>1,186,705</b>	<b>1,280,685</b>	<b>1,377,486</b>	<b>1,441,001</b>	<b>1,613,945</b>
<b>UNITS OF FUEL BURNED</b>						
15. HEAVY OIL (BBL)	0	0	0	0	0	0
16. LIGHT OIL (BBL)	65	415	0	52	0	0
17. COAL (TON)	237,150	157,333	163,665	122,290	288,391	312,703
18. NATURAL GAS (MCF)	6,971,622	6,475,412	7,727,814	8,687,853	5,997,292	7,000,177
19. NUCLEAR (MMBTU)	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0
<b>BTUS BURNED (MMBTU)</b>						
21. HEAVY OIL	0	0	0	0	0	0
22. LIGHT OIL	376	2,395	0	301	0	0
23. COAL	5,777,559	3,824,131	4,014,105	2,993,435	6,819,975	7,545,670
24. NATURAL GAS	7,131,969	6,630,822	7,905,554	8,888,882	6,117,238	7,126,182
25. NUCLEAR	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0
<b>27. TOTAL (MMBTU)</b>	<b>12,909,904</b>	<b>10,457,348</b>	<b>11,919,659</b>	<b>11,882,618</b>	<b>12,937,212</b>	<b>14,671,852</b>
<b>GENERATION MIX (% MWH)</b>						
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.00	0.01	0.00	0.00	0.00	0.00
30. COAL	37.66	30.69	29.57	21.53	44.24	44.67
31. NATURAL GAS	62.33	69.28	70.41	78.45	55.74	55.31
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.01	0.02	0.02	0.02	0.02	0.02
<b>34. TOTAL (%)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>FUEL COST PER UNIT</b>						
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	127.62	127.43	0.00	127.67	0.00	0.00
37. COAL (\$/TON)	74.36	87.21	81.65	84.42	89.75	82.58
38. NATURAL GAS (\$/MCF)	3.75	3.70	3.21	3.27	3.97	3.77
39. NUCLEAR (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
<b>FUEL COST PER MMBTU (\$/MMBTU)</b>						
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	22.08	22.08	0.00	22.09	0.00	0.00
43. COAL	3.05	3.59	3.33	3.45	3.80	3.42
44. NATURAL GAS	3.67	3.61	3.14	3.20	3.89	3.70
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
<b>47. TOTAL (\$/MMBTU)</b>	<b>3.39</b>	<b>3.61</b>	<b>3.20</b>	<b>3.26</b>	<b>3.98</b>	<b>3.56</b>
<b>BTU BURNED PER KWH (BTU/KWH)</b>						
48. HEAVY OIL	0	0	0	0	0	0
49. LIGHT OIL	18,780	16,746	0	15,821	0	0
50. COAL	10,415	10,502	10,599	10,095	10,699	10,466
51. NATURAL GAS	7,766	8,065	8,768	8,225	7,616	7,983
52. NUCLEAR	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0
<b>54. TOTAL (BTU/KWH)</b>	<b>8,762</b>	<b>8,812</b>	<b>9,307</b>	<b>8,626</b>	<b>8,978</b>	<b>9,091</b>
<b>GENERATED FUEL COST PER KWH (CENTS/KWH)</b>						
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	41.48	36.98	0.00	34.94	0.00	0.00
57. COAL	3.18	3.77	3.53	3.48	4.06	3.58
58. NATURAL GAS	2.85	2.91	2.75	2.63	2.97	2.95
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
<b>61. TOTAL (CENTS/KWH)</b>	<b>2.97</b>	<b>3.18</b>	<b>2.98</b>	<b>2.81</b>	<b>3.58</b>	<b>3.23</b>

TAMPA ELECTRIC COMPANY  
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE  
ESTIMATED FOR THE PERIOD: JULY 2016 THROUGH DECEMBER 2016

SCHEDULE E3

	Estimated						TOTAL
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
<b>FUEL COST OF SYSTEM NET GENERATION (\$)</b>							
1. HEAVY OIL	0	0	0	0	0	0	0
2. LIGHT OIL	50,783	65,671	52,820	50,109	58,613	55,882	2,222,900
3. COAL	30,722,489	31,137,807	25,283,910	22,328,492	19,677,285	23,037,483	258,935,180
4. NATURAL GAS	28,582,681	24,263,108	24,001,165	27,003,431	15,141,954	17,924,252	290,482,817
5. NUCLEAR	0	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0	0
<b>7. TOTAL (\$)</b>	<b>59,355,953</b>	<b>55,466,586</b>	<b>49,337,895</b>	<b>49,382,032</b>	<b>34,877,852</b>	<b>41,017,617</b>	<b>551,640,897</b>
<b>SYSTEM NET GENERATION (MWH)</b>							
8. HEAVY OIL	0	0	0	0	0	0	0
9. LIGHT OIL	220	280	220	220	250	240	1,612
10. COAL	903,900	898,360	743,550	675,750	616,040	693,160	7,483,309
11. NATURAL GAS	808,420	857,750	889,350	865,050	641,430	732,210	10,213,009
12. NUCLEAR	0	0	0	0	0	0	0
13. OTHER	290	290	260	290	440	410	3,623
<b>14. TOTAL (MWH)</b>	<b>1,712,830</b>	<b>1,756,680</b>	<b>1,633,380</b>	<b>1,541,310</b>	<b>1,258,160</b>	<b>1,426,020</b>	<b>17,701,553</b>
<b>UNITS OF FUEL BURNED</b>							
15. HEAVY OIL (BBL)	0	0	0	0	0	0	0
16. LIGHT OIL (BBL)	400	520	420	400	470	450	3,192
17. COAL (TON)	394,810	391,510	322,250	292,380	268,810	299,250	3,250,542
18. NATURAL GAS (MCF)	5,940,860	6,237,980	6,391,620	6,240,420	4,646,670	5,257,800	77,575,520
19. NUCLEAR (MMBTU)	0	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0	0
<b>BTUS BURNED (MMBTU)</b>							
21. HEAVY OIL	0	0	0	0	0	0	0
22. LIGHT OIL	2,360	2,960	2,440	2,360	2,740	2,580	18,511
23. COAL	9,400,440	9,327,270	7,720,540	7,009,150	6,388,970	7,194,810	78,016,055
24. NATURAL GAS	6,080,920	6,395,830	6,544,310	6,396,150	4,744,770	5,382,110	79,344,737
25. NUCLEAR	0	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0	0
<b>27. TOTAL (MMBTU)</b>	<b>15,483,720</b>	<b>15,726,060</b>	<b>14,267,290</b>	<b>13,407,660</b>	<b>11,136,480</b>	<b>12,579,500</b>	<b>157,379,303</b>
<b>GENERATION MIX (% MWH)</b>							
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.01	0.02	0.01	0.01	0.02	0.02	0.01
30. COAL	52.77	51.13	45.52	43.85	48.97	48.60	42.27
31. NATURAL GAS	47.20	48.83	54.45	56.12	50.98	51.35	57.70
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.02	0.02	0.02	0.02	0.03	0.03	0.02
<b>34. TOTAL (%)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>FUEL COST PER UNIT</b>							
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	126.96	126.29	125.76	125.27	124.71	124.18	696.40
37. COAL (\$/TON)	77.82	79.53	78.46	76.37	73.20	76.98	79.66
38. NATURAL GAS (\$/MCF)	4.81	3.89	3.76	4.33	3.26	3.41	3.74
39. NUCLEAR (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>FUEL COST PER MMBTU (\$/MMBTU)</b>							
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	21.52	22.19	21.65	21.23	21.39	21.66	120.09
43. COAL	3.27	3.34	3.27	3.19	3.08	3.20	3.32
44. NATURAL GAS	4.70	3.79	3.67	4.22	3.19	3.33	3.66
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>47. TOTAL (\$/MMBTU)</b>	<b>3.83</b>	<b>3.53</b>	<b>3.46</b>	<b>3.68</b>	<b>3.13</b>	<b>3.26</b>	<b>3.51</b>
<b>BTU BURNED PER KWH (BTU/KWH)</b>							
48. HEAVY OIL	0	0	0	0	0	0	0
49. LIGHT OIL	10,727	10,571	11,091	10,727	10,960	10,750	11,483
50. COAL	10,400	10,383	10,383	10,372	10,371	10,380	10,425
51. NATURAL GAS	7,522	7,457	7,359	7,394	7,397	7,351	7,769
52. NUCLEAR	0	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0	0
<b>54. TOTAL (BTU/KWH)</b>	<b>9,040</b>	<b>8,952</b>	<b>8,735</b>	<b>8,699</b>	<b>8,851</b>	<b>8,821</b>	<b>8,891</b>
<b>GENERATED FUEL COST PER KWH (CENTS/KWH)</b>							
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	23.08	23.45	24.01	22.78	23.45	23.28	137.90
57. COAL	3.40	3.47	3.40	3.30	3.19	3.32	3.46
58. NATURAL GAS	3.54	2.83	2.70	3.12	2.36	2.45	2.84
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>61. TOTAL (CENTS/KWH)</b>	<b>3.47</b>	<b>3.16</b>	<b>3.02</b>	<b>3.20</b>	<b>2.77</b>	<b>2.88</b>	<b>3.12</b>

**SYSTEM NET GENERATION AND FUEL COST**  
**TAMPA ELECTRIC COMPANY**  
**MONTH OF: January 2016**

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(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) (2)	AS BURNED FUEL COST (\$) (1)	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
<b>TIA SOLAR</b>	<b>1.6</b>	<b>186</b>	<b>15.6</b>	<b>-</b>	<b>38.4</b>	<b>-</b>	<b>SOLAR</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
B.B.#1 NAT GAS CO-FIRE	141	7,437	7.1	48.0	22.8	11,073	NG CO-FIRE	80,499	1,023,000	82,350.0	364,767	4.90	4.53
B.B.#1 COAL	395	74,698	25.4	48.0	51.9	10,870	COAL	33,930	23,930,000	811,941.3	2,569,600	3.44	75.73
<b>BIG BEND #1 TOTAL</b>	<b>395</b>	<b>82,135</b>	<b>27.9</b>	<b>48.0</b>	<b>57.0</b>	<b>10,888</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>894,291.3</b>	<b>2,934,367</b>	<b>3.57</b>	<b>-</b>
B.B.#2 NAT GAS CO-FIRE	141	37,851	36.1	80.0	64.8	11,501	NG CO-FIRE	425,525	1,023,000	435,312.0	1,607,697	4.25	3.78
B.B.#2 COAL	395	101,092	34.4	76.0	43.0	11,237	COAL	47,656	23,836,000	1,135,938.4	3,609,102	3.57	75.73
<b>BIG BEND #2 TOTAL</b>	<b>395</b>	<b>138,943</b>	<b>47.3</b>	<b>76.7</b>	<b>59.1</b>	<b>11,309</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,571,250.4</b>	<b>5,216,799</b>	<b>3.75</b>	<b>-</b>
B.B.#3 NAT GAS CO-FIRE	141	9,925	9.5	37.8	46.0	12,074	NG CO-FIRE	117,138	1,023,000	119,832.0	446,255	4.50	3.81
B.B.#3 COAL	400	24,210	8.1	37.8	30.0	11,789	COAL	9,259	23,150,000	213,864.2	701,206	2.90	75.73
<b>BIG BEND #3 TOTAL</b>	<b>400</b>	<b>34,135</b>	<b>11.5</b>	<b>37.8</b>	<b>42.3</b>	<b>11,872</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>333,696.2</b>	<b>1,147,461</b>	<b>3.36</b>	<b>-</b>
B.B.#4 NAT GAS CO-FIRE	163	23,183	19.1	100.0	29.9	10,583	NG CO-FIRE	239,830	1,023,000	245,346.0	904,860	3.90	3.77
B.B.#4 COAL	442	192,678	58.6	91.7	58.6	10,435	COAL	87,430	22,996,000	2,010,540.5	6,621,282	3.44	75.73
<b>BIG BEND #4 TOTAL</b>	<b>442</b>	<b>215,861</b>	<b>65.6</b>	<b>92.7</b>	<b>65.6</b>	<b>10,451</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,255,886.5</b>	<b>7,526,142</b>	<b>3.49</b>	<b>-</b>
B.B. IGNITION	-	-	-	-	-	-	GAS	35,434	1,023,000	36,249.0	132,503	-	3.74
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,632</b>	<b>392,678</b>	<b>32.3</b>	<b>64.1</b>	<b>49.8</b>	<b>10,807</b>	<b>COAL</b>	<b>178,275</b>	<b>23,401,969</b>	<b>4,172,284.4</b>	<b>13,501,190</b>	<b>3.44</b>	<b>75.73</b>
B.B. CT#4 (OIL)	61	0	0.0	99.4	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	61	966	2.1	99.4	84.0	12,349	GAS	11,661	1,023,000	11,929.0	43,605	4.51	3.74
<b>BIG BEND CT #4 TOTAL</b>	<b>61</b>	<b>966</b>	<b>2.1</b>	<b>99.4</b>	<b>84.0</b>	<b>12,349</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11,929.0</b>	<b>43,605</b>	<b>4.51</b>	<b>-</b>
<b>BIG BEND STATION TOTAL</b>	<b>1,693</b>	<b>472,040</b>	<b>37.5</b>	<b>65.8</b>	<b>59.8</b>	<b>10,886</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,067,053.4</b>	<b>17,000,877</b>	<b>3.60</b>	<b>-</b>
POLK #1 GASIFIER	220	162,073	99.0	100.0	99.1	9,905	COAL	58,875	27,265,997	1,605,274.9	4,098,380	2.53	69.61
POLK #1 CT (GAS)	195	2,126	1.5	100.0	16.6	6,183	GAS	12,849	1,023,000	13,145.0	48,056	2.26	3.74
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>164,199</b>	<b>100.3</b>	<b>100.0</b>	<b>100.3</b>	<b>9,856</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,618,419.9</b>	<b>4,146,436</b>	<b>2.53</b>	<b>-</b>
POLK #2 CT (GAS)	183	1,813	1.3	99.9	46.0	13,473	GAS	23,878	1,023,000	24,427.0	89,292	4.93	3.74
POLK #2 CT (OIL)	187	0	0.0	99.9	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #2 TOTAL</b>	<b>183</b>	<b>1,813</b>	<b>1.3</b>	<b>99.9</b>	<b>46.0</b>	<b>13,473</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24,427.0</b>	<b>89,292</b>	<b>4.93</b>	<b>-</b>
POLK #3 CT (GAS)	183	455	0.3	74.6	13.8	19,143	GAS	8,514	1,023,000	8,710.0	31,839	7.00	3.74
POLK #3 CT (OIL)	187	20	0.0	74.6	18.4	18,780	LGT.OIL	65	5,772,546	375.6	8,295	41.48	127.62
<b>POLK #3 TOTAL</b>	<b>183</b>	<b>475</b>	<b>0.3</b>	<b>74.6</b>	<b>13.9</b>	<b>19,128</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,085.6</b>	<b>40,134</b>	<b>8.45</b>	<b>-</b>
POLK #4 (GAS)	183	2,355	1.7	100.0	66.7	12,904	GAS	29,707	1,023,000	30,390.0	111,092	4.72	3.74
POLK #5 (GAS)	183	2,534	1.9	100.0	69.1	12,381	GAS	30,669	1,023,000	31,374.0	114,688	4.53	3.74
<b>POLK STATION TOTAL</b>	<b>952</b>	<b>171,376</b>	<b>24.2</b>	<b>95.1</b>	<b>96.2</b>	<b>10,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,713,696.5</b>	<b>4,501,642</b>	<b>2.63</b>	<b>-</b>
CITY OF TAMPA 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
CITY OF TAMPA 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
<b>CITY OF TAMPA TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>GAS</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
BAYSIDE ST 1	243	126,277	69.8	100.0	69.8	-	-	-	-	-	-	-	-
BAYSIDE CT1A	183	104,297	76.6	100.0	77.7	11,163	GAS	1,138,117	1,023,000	1,164,293.0	4,256,843	4.08	3.74
BAYSIDE CT1B	183	77,256	56.7	100.0	80.5	11,212	GAS	846,755	1,023,000	866,230.0	3,167,076	4.10	3.74
BAYSIDE CT1C	183	69,436	51.0	100.0	71.4	10,786	GAS	732,113	1,023,000	748,952.0	2,738,286	3.94	3.74
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>792</b>	<b>377,266</b>	<b>64.0</b>	<b>100.0</b>	<b>64.0</b>	<b>7,367</b>	<b>GAS</b>	<b>2,716,985</b>	<b>1,023,000</b>	<b>2,779,475.0</b>	<b>10,162,205</b>	<b>2.69</b>	<b>3.74</b>
BAYSIDE ST 2	315	151,725	64.7	100.0	64.7	-	-	-	-	-	-	-	-
BAYSIDE CT2A	183	85,246	62.6	100.0	77.6	10,956	GAS	912,942	1,023,000	933,940.0	3,414,581	4.01	3.74
BAYSIDE CT2B	183	80,942	59.4	99.6	78.5	11,433	GAS	904,568	1,023,000	925,373.0	3,383,261	4.18	3.74
BAYSIDE CT2C	183	73,943	54.3	100.0	82.2	11,017	GAS	796,337	1,023,000	814,653.0	2,978,455	4.03	3.74
BAYSIDE CT2D	183	57,024	41.9	92.5	74.2	11,137	GAS	620,784	1,023,000	635,062.0	2,321,853	4.07	3.74
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>1,047</b>	<b>448,880</b>	<b>57.6</b>	<b>98.0</b>	<b>57.6</b>	<b>7,372</b>	<b>GAS</b>	<b>3,234,631</b>	<b>1,023,000</b>	<b>3,309,028.0</b>	<b>12,098,150</b>	<b>2.70</b>	<b>3.74</b>
BAYSIDE UNIT 3 TOTAL	61	772	1.7	99.2	65.5	11,565	GAS	8,727	1,023,000	8,928.0	32,644	4.23	3.74
BAYSIDE UNIT 4 TOTAL	61	2,446	5.4	99.5	94.4	10,942	GAS	26,161	1,023,000	26,763.0	97,851	4.00	3.74
BAYSIDE UNIT 5 TOTAL	61	268	0.6	100.0	82.4	12,873	GAS	3,372	1,023,000	3,450.0	12,614	4.71	3.74
BAYSIDE UNIT 6 TOTAL	61	117	0.3	99.5	81.0	12,906	GAS	1,476	1,023,000	1,510.0	5,521	4.72	3.74
<b>BAYSIDE STATION TOTAL</b>	<b>2,083</b>	<b>829,749</b>	<b>53.5</b>	<b>99.0</b>	<b>60.5</b>	<b>7,387</b>	<b>GAS</b>	<b>5,991,352</b>	<b>1,023,000</b>	<b>6,129,154.0</b>	<b>22,408,985</b>	<b>2.70</b>	<b>3.74</b>
<b>SYSTEM</b>	<b>4,730</b>	<b>1,473,351</b>	<b>41.9</b>	<b>86.3</b>	<b>62.9</b>	<b>8,811</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,909,903.9</b>	<b>43,911,504</b>	<b>2.98</b>	<b>-</b>

Footnotes:

(1) As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

(2) Fuel burned (MM BTU) system total excludes ignition.

(3) City of Tampa on Long Term Reserve Stand-by.

LEGEND:

B.B. = BIG BEND  
 CT = COMBUSTION TURBINE

NG = NATURAL GAS

SYSTEM NET GENERATION AND FUEL COST  
TAMPA ELECTRIC COMPANY  
MONTH OF: February 2016

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(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) <sup>(2)</sup>	(L) AS BURNED FUEL COST (\$) <sup>(1)</sup>	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL (\$/UNIT)
<b>TIA SOLAR</b>	<b>1.6</b>	<b>271</b>	<b>24.3</b>	<b>-</b>	<b>57.0</b>	<b>-</b>	<b>SOLAR</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
B.B.#1 NAT GAS CO-FIRE	141	45,455	46.3	77.4	56.6	-	NG CO-FIRE	483,137	1,024,000	494,733.0	1,724,776	3.79	3.57
B.B.#1 COAL	395	111,975	40.7	77.4	49.7	-	COAL	50,848	23,406,000	1,190,140.6	4,440,612	3.97	87.33
<b>BIG BEND #1 TOTAL</b>	<b>395</b>	<b>157,430</b>	<b>57.3</b>	<b>77.4</b>	<b>69.9</b>	<b>10,702</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,684,873.6</b>	<b>6,165,388</b>	<b>3.92</b>	<b>-</b>
B.B.#2 NAT GAS CO-FIRE	141	7,230	7.4	8.4	86.2	-	NG CO-FIRE	81,865	1,024,000	83,830.0	292,219	4.04	3.57
B.B.#2 COAL	395	11,305	4.1	8.4	48.1	-	COAL	5,557	22,946,000	127,500.6	485,299	4.29	87.33
<b>BIG BEND #2 TOTAL</b>	<b>395</b>	<b>18,535</b>	<b>6.7</b>	<b>8.4</b>	<b>78.9</b>	<b>11,402</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>211,330.6</b>	<b>777,518</b>	<b>4.19</b>	<b>-</b>
B.B.#3 NAT GAS CO-FIRE	141	21,494	21.9	11.3	96.2	-	NG CO-FIRE	228,878	1,024,000	234,371.0	840,138	3.91	3.67
B.B.#3 COAL	400	0	0.0	0.0	0.0	-	COAL	3,070	0	71,551.9	268,106	0.00	87.33
<b>BIG BEND #3 TOTAL</b>	<b>400</b>	<b>21,494</b>	<b>7.7</b>	<b>11.3</b>	<b>33.9</b>	<b>10,904</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>305,922.9</b>	<b>1,108,244</b>	<b>5.16</b>	<b>-</b>
B.B.#4 NAT GAS CO-FIRE	163	54,176	47.8	73.4	51.2	-	NG CO-FIRE	546,225	1,024,000	559,334.0	2,016,071	3.72	3.69
B.B.#4 COAL	442	124,720	40.5	72.6	43.5	-	COAL	55,677	22,712,000	1,264,561.2	4,862,334	3.90	87.33
<b>BIG BEND #4 TOTAL</b>	<b>442</b>	<b>178,896</b>	<b>58.2</b>	<b>73.4</b>	<b>62.4</b>	<b>10,195</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,823,895.2</b>	<b>6,878,405</b>	<b>3.84</b>	<b>-</b>
B.B. IGNITION	-	-	-	-	-	-	GAS	154,263	24,325,857	3,824,131.3	165,818	-	1.07
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,632</b>	<b>248,000</b>	<b>21.8</b>	<b>40.4</b>	<b>41.4</b>	<b>10,412</b>	<b>COAL</b>	<b>115,152</b>	<b>23,038,443</b>	<b>2,653,754.3</b>	<b>10,056,351</b>	<b>4.05</b>	<b>87.33</b>
B.B. CT#4 (OIL)	61	0	0.0	97.9	0.0	0	LGTOIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	61	500	1.2	97.9	77.2	13,320	GAS	6,504	1,024,000	6,660.0	24,223	4.84	3.72
<b>BIG BEND CT #4 TOTAL</b>	<b>61</b>	<b>500</b>	<b>1.2</b>	<b>97.9</b>	<b>77.2</b>	<b>13,320</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,660.0</b>	<b>24,223</b>	<b>4.84</b>	<b>-</b>
<b>BIG BEND STATION TOTAL</b>	<b>1,693</b>	<b>376,855</b>	<b>32.0</b>	<b>45.4</b>	<b>62.9</b>	<b>10,511</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,032,682.3</b>	<b>15,119,596</b>	<b>4.01</b>	<b>-</b>
POLK #1 GASIFIER	220	116,137	75.8	69.7	98.4	10,078	COAL	42,181	27,746,768	1,170,377.0	3,590,471	3.09	85.12
POLK #1 CT (GAS)	195	11,557	8.5	92.3	48.6	8,617	GAS	97,252	1,024,000	99,586.0	359,972	3.11	3.70
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>127,694</b>	<b>83.4</b>	<b>92.3</b>	<b>96.8</b>	<b>9,945</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,269,963.0</b>	<b>3,950,443</b>	<b>3.09</b>	<b>-</b>
POLK #2 CT (GAS)	183	376	0.3	85.6	35.7	19,098	GAS	7,013	1,024,000	7,181.0	26,273	6.99	3.75
POLK #2 CT (OIL)	187	32	0.0	85.6	17.3	25,844	LGTOIL	143	5,772,544	827.0	18,263	57.07	127.71
<b>POLK #2 TOTAL</b>	<b>183</b>	<b>408</b>	<b>0.3</b>	<b>85.6</b>	<b>33.0</b>	<b>19,627</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,008.0</b>	<b>44,536</b>	<b>10.92</b>	<b>-</b>
POLK #3 CT (GAS)	183	2,680	2.1	49.3	62.1	12,475	GAS	32,643	1,024,000	33,426.0	120,882	4.51	3.70
POLK #3 CT (OIL)	187	111	0.1	49.3	35.3	14,123	LGTOIL	272	5,784,899	1,567.7	34,622	31.19	127.29
<b>POLK #3 TOTAL</b>	<b>183</b>	<b>2,791</b>	<b>2.2</b>	<b>49.3</b>	<b>60.4</b>	<b>12,538</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34,993.7</b>	<b>155,504</b>	<b>5.57</b>	<b>-</b>
POLK #4 (GAS)	183	5,676	4.5	99.0	70.3	11,811	GAS	65,466	1,024,000	67,037.0	242,607	4.27	3.71
POLK #5 (GAS)	183	804	0.6	70.7	43.9	18,019	GAS	14,147	1,024,000	14,487.0	52,763	6.56	3.73
<b>POLK STATION TOTAL</b>	<b>952</b>	<b>137,373</b>	<b>20.7</b>	<b>79.9</b>	<b>93.1</b>	<b>10,151</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,394,488.7</b>	<b>4,445,853</b>	<b>3.24</b>	<b>-</b>
BAYSIDE ST 1	243	79,044	46.7	63.9	73.2	-	-	-	-	-	-	-	-
BAYSIDE CT1A	183	45,198	35.5	58.7	82.3	11,288	GAS	498,250	1,024,000	510,208.0	1,855,021	4.10	3.72
BAYSIDE CT1B	183	59,502	46.7	62.0	76.2	11,455	GAS	665,595	1,024,000	681,569.0	2,478,059	4.16	3.72
BAYSIDE CT1C	183	48,223	37.9	66.9	71.7	11,188	GAS	526,851	1,024,000	539,495.0	1,961,505	4.07	3.72
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>792</b>	<b>231,967</b>	<b>42.1</b>	<b>61.5</b>	<b>65.9</b>	<b>7,463</b>	<b>GAS</b>	<b>1,690,696</b>	<b>1,024,000</b>	<b>1,731,272.0</b>	<b>6,294,585</b>	<b>2.71</b>	<b>3.72</b>
BAYSIDE ST 2	315	149,625	68.2	93.1	73.3	-	-	-	-	-	-	-	-
BAYSIDE CT2A	183	72,057	56.6	85.9	77.1	11,154	GAS	784,867	1,024,000	803,704.0	2,915,703	4.05	3.71
BAYSIDE CT2B	183	71,611	56.2	93.0	79.0	11,596	GAS	810,931	1,024,000	830,393.0	3,012,528	4.21	3.71
BAYSIDE CT2C	183	69,576	54.6	81.1	76.9	11,302	GAS	767,947	1,024,000	786,378.0	2,852,847	4.10	3.71
BAYSIDE CT2D	183	74,654	58.6	78.4	76.9	11,355	GAS	827,832	1,024,000	847,700.0	3,075,313	4.12	3.71
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>1,047</b>	<b>437,523</b>	<b>60.0</b>	<b>84.6</b>	<b>64.5</b>	<b>7,470</b>	<b>GAS</b>	<b>3,191,577</b>	<b>1,024,000</b>	<b>3,268,175.0</b>	<b>11,856,391</b>	<b>2.71</b>	<b>3.71</b>
<b>BAYSIDE UNIT 3 TOTAL</b>	<b>61</b>	<b>708</b>	<b>1.7</b>	<b>100.0</b>	<b>85.2</b>	<b>11,621</b>	<b>GAS</b>	<b>8,035</b>	<b>1,024,000</b>	<b>8,228.0</b>	<b>29,858</b>	<b>4.22</b>	<b>3.72</b>
<b>BAYSIDE UNIT 4 TOTAL</b>	<b>61</b>	<b>1,711</b>	<b>4.0</b>	<b>100.0</b>	<b>98.8</b>	<b>10,865</b>	<b>GAS</b>	<b>18,154</b>	<b>1,024,000</b>	<b>18,590.0</b>	<b>67,548</b>	<b>3.95</b>	<b>3.72</b>
<b>BAYSIDE UNIT 5 TOTAL</b>	<b>61</b>	<b>234</b>	<b>0.6</b>	<b>100.0</b>	<b>76.7</b>	<b>12,876</b>	<b>GAS</b>	<b>2,942</b>	<b>1,024,000</b>	<b>3,013.0</b>	<b>10,936</b>	<b>4.67</b>	<b>3.72</b>
<b>BAYSIDE UNIT 6 TOTAL</b>	<b>61</b>	<b>63</b>	<b>0.1</b>	<b>100.0</b>	<b>65.2</b>	<b>14,270</b>	<b>GAS</b>	<b>878</b>	<b>1,024,000</b>	<b>899.0</b>	<b>3,269</b>	<b>5.19</b>	<b>3.72</b>
<b>BAYSIDE STATION TOTAL</b>	<b>2,083</b>	<b>672,206</b>	<b>46.4</b>	<b>77.6</b>	<b>65.1</b>	<b>7,483</b>	<b>GAS</b>	<b>4,912,282</b>	<b>1,024,000</b>	<b>5,030,177.0</b>	<b>18,262,587</b>	<b>2.72</b>	<b>3.72</b>
<b>SYSTEM</b>	<b>4,730</b>	<b>1,186,705</b>	<b>36.1</b>	<b>66.5</b>	<b>66.6</b>	<b>8,752</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10,457,348.0</b>	<b>37,828,036</b>	<b>3.19</b>	<b>-</b>

Footnotes:

(1) As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

(2) Fuel burned (MM BTU) system total excludes ignition.

(3) Includes January adjustment of 3,070 tons consumed, \$268,106 fuel expense, and 71,551.9 mmbtu's.

LEGEND:

B.B. = BIG BEND  
CT = COMBUSTION TURBINE

NG = NATURAL GAS



SYSTEM NET GENERATION AND FUEL COST  
TAMPA ELECTRIC COMPANY  
MONTH OF: March 2016

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(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) (2)	(L) AS BURNED FUEL COST (\$) (1)	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	287	24.1	-	51.0	-	SOLAR	-	-	-	-	-	-
B.B.#1 NAT GAS CO-FIRE	142	65,089	61.7	91.8	67.1	-	NG CO-FIRE	696,649	1,023,000	712,672.0	2,236,081	3.44	3.21
B.B.#1 COAL	395	116,779	39.8	91.4	43.3	-	COAL	53,778	23,158,000	1,245,387.7	4,774,480	4.09	88.78
<b>BIG BEND #1 TOTAL</b>	<b>395</b>	<b>181,868</b>	<b>62.0</b>	<b>91.8</b>	<b>67.4</b>	<b>10,766</b>	-	-	-	<b>1,958,059.7</b>	<b>7,010,561</b>	<b>3.85</b>	-
B.B.#2 NAT GAS CO-FIRE	142	64,089	60.7	68.3	79.2	-	NG CO-FIRE	704,713	1,023,000	720,921.0	2,261,963	3.53	3.21
B.B.#2 COAL	395	80,419	27.4	66.0	35.7	-	COAL	37,890	23,158,000	877,466.8	3,363,923	4.18	88.78
<b>BIG BEND #2 TOTAL</b>	<b>395</b>	<b>144,508</b>	<b>49.2</b>	<b>68.3</b>	<b>64.2</b>	<b>11,061</b>	-	-	-	<b>1,598,387.8</b>	<b>5,625,886</b>	<b>3.89</b>	-
B.B.#3 NAT GAS CO-FIRE	142	100,847	95.6	53.5	107.6	-	NG CO-FIRE	1,036,869	1,023,000	1,060,718.0	3,328,111	3.30	3.21
B.B.#3 COAL	400	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
<b>BIG BEND #3 TOTAL</b>	<b>400</b>	<b>100,847</b>	<b>33.9</b>	<b>53.5</b>	<b>38.2</b>	<b>10,518</b>	-	-	-	<b>1,060,718.0</b>	<b>3,328,111</b>	<b>3.30</b>	-
B.B.#4 NAT GAS CO-FIRE	164	51,635	42.4	62.3	67.0	-	NG CO-FIRE	560,802	1,023,000	573,700.0	1,800,042	3.49	3.21
B.B.#4 COAL	442	51,050	15.5	62.4	24.6	-	COAL	24,284	22,770,000	552,938.0	2,155,965	4.22	88.78
<b>BIG BEND #4 TOTAL</b>	<b>442</b>	<b>102,685</b>	<b>31.3</b>	<b>62.3</b>	<b>49.5</b>	<b>10,972</b>	-	-	-	<b>1,126,638.0</b>	<b>3,956,007</b>	<b>3.85</b>	-
B.B. IGNITION	-	-	-	-	-	-	GAS	163,665	24,526,385	4,014,105.2	93,774	-	0.57
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,632</b>	<b>248,248</b>	<b>20.5</b>	<b>55.0</b>	<b>25.7</b>	<b>10,779</b>	<b>COAL</b>	<b>115,952</b>	<b>23,076,742</b>	<b>2,675,792.5</b>	<b>10,294,368</b>	<b>4.15</b>	<b>88.78</b>
B.B. CT#4 (OIL)	61	0	0.0	67.6	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	61	845	1.9	67.6	76.5	11,950	GAS	9,871	1,023,000	10,097.9	31,684	3.75	3.21
<b>BIG BEND CT #4 TOTAL</b>	<b>61</b>	<b>845</b>	<b>1.9</b>	<b>67.6</b>	<b>76.5</b>	<b>11,950</b>	-	-	-	<b>10,097.9</b>	<b>31,684</b>	<b>3.75</b>	-
<b>BIG BEND STATION TOTAL</b>	<b>1,693</b>	<b>530,753</b>	<b>42.2</b>	<b>68.7</b>	<b>54.8</b>	<b>10,841</b>	-	-	-	<b>5,753,901.4</b>	<b>20,046,023</b>	<b>3.78</b>	-
POLK #1 GASIFIER	220	130,481	79.8	80.7	100.0	10,257	COAL	47,713	28,049,313	1,338,312.7	2,975,155	2.28	62.36
POLK #1 CT (GAS)	195	7,323	5.1	84.0	25.2	8,449	GAS	63,415	1,023,000	64,874.0	194,136	2.65	3.06
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>137,804</b>	<b>84.3</b>	<b>84.0</b>	<b>100.3</b>	<b>10,161</b>	-	-	-	<b>1,403,186.7</b>	<b>3,169,291</b>	<b>2.30</b>	-
POLK #2 CT (GAS)	183	3,094	2.3	74.2	67.8	13,028	GAS	39,404	1,023,000	40,310.0	126,477	4.09	3.21
POLK #2 CT (OIL)	187	0	0.0	74.2	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #2 TOTAL</b>	<b>183</b>	<b>3,094</b>	<b>2.3</b>	<b>74.2</b>	<b>67.8</b>	<b>13,028</b>	-	-	-	<b>40,310.0</b>	<b>126,477</b>	<b>4.09</b>	-
POLK #3 CT (GAS)	183	12,264	9.0	100.0	14.9	10,588	GAS	126,937	1,023,000	129,857.0	407,440	3.32	3.21
POLK #3 CT (OIL)	187	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #3 TOTAL</b>	<b>183</b>	<b>12,264</b>	<b>9.0</b>	<b>100.0</b>	<b>14.9</b>	<b>10,588</b>	-	-	-	<b>129,857.0</b>	<b>407,440</b>	<b>3.32</b>	-
POLK #4 (GAS)	183	2,273	1.7	99.0	61.0	14,219	GAS	31,592	1,023,000	32,319.0	101,404	4.46	3.21
POLK #5 (GAS)	183	1,158	0.9	5.1	56.5	13,675	GAS	15,480	1,023,000	15,836.0	49,687	4.29	3.21
<b>POLK STATION TOTAL</b>	<b>952</b>	<b>156,593</b>	<b>22.1</b>	<b>72.9</b>	<b>68.0</b>	<b>10,336</b>	-	-	-	<b>1,621,508.7</b>	<b>3,854,299</b>	<b>2.46</b>	-
BAYSIDE ST 1	243	128,265	71.0	100.0	71.0	-	-	-	-	-	-	-	-
BAYSIDE CT1A	183	76,262	56.1	100.0	75.2	11,637	GAS	867,505	1,023,000	887,458.0	2,785,314	3.65	3.21
BAYSIDE CT1B	183	81,539	60.0	100.0	75.7	11,740	GAS	935,728	1,023,000	957,250.0	3,004,358	3.68	3.21
BAYSIDE CT1C	183	82,719	60.8	99.0	75.4	11,405	GAS	922,173	1,023,000	943,383.0	2,960,837	3.58	3.21
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>792</b>	<b>368,785</b>	<b>62.7</b>	<b>99.7</b>	<b>62.7</b>	<b>7,560</b>	<b>GAS</b>	<b>2,725,406</b>	<b>1,023,000</b>	<b>2,788,091.0</b>	<b>8,750,509</b>	<b>2.37</b>	<b>3.21</b>
BAYSIDE ST 2	315	74,276	31.7	65.7	48.3	-	-	-	-	-	-	-	-
BAYSIDE CT2A	183	32,396	23.8	46.3	76.0	11,405	GAS	361,177	1,023,000	369,484.0	1,159,636	3.58	3.21
BAYSIDE CT2B	183	18,166	13.4	32.9	74.6	11,949	GAS	212,182	1,023,000	217,062.0	681,256	3.75	3.21
BAYSIDE CT2C	183	49,620	36.5	66.1	72.6	11,862	GAS	575,370	1,023,000	588,603.0	1,847,349	3.72	3.21
BAYSIDE CT2D	183	44,204	32.5	55.7	74.0	11,683	GAS	504,834	1,023,000	516,445.0	1,620,878	3.67	3.21
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>1,047</b>	<b>218,662</b>	<b>28.1</b>	<b>49.8</b>	<b>42.8</b>	<b>7,736</b>	<b>GAS</b>	<b>1,653,563</b>	<b>1,023,000</b>	<b>1,691,594.0</b>	<b>5,309,119</b>	<b>2.43</b>	<b>3.21</b>
<b>BAYSIDE UNIT 3 TOTAL</b>	<b>61</b>	<b>1,032</b>	<b>2.3</b>	<b>80.8</b>	<b>79.2</b>	<b>12,013</b>	<b>GAS</b>	<b>12,118</b>	<b>1,023,000</b>	<b>12,397.0</b>	<b>38,908</b>	<b>3.77</b>	<b>3.21</b>
<b>BAYSIDE UNIT 4 TOTAL</b>	<b>61</b>	<b>2,757</b>	<b>6.1</b>	<b>84.1</b>	<b>90.8</b>	<b>11,284</b>	<b>GAS</b>	<b>30,410</b>	<b>1,023,000</b>	<b>31,109.0</b>	<b>97,637</b>	<b>3.54</b>	<b>3.21</b>
<b>BAYSIDE UNIT 5 TOTAL</b>	<b>61</b>	<b>1,363</b>	<b>3.0</b>	<b>62.2</b>	<b>81.8</b>	<b>11,396</b>	<b>GAS</b>	<b>15,184</b>	<b>1,023,000</b>	<b>15,533.0</b>	<b>48,751</b>	<b>3.58</b>	<b>3.21</b>
<b>BAYSIDE UNIT 6 TOTAL</b>	<b>61</b>	<b>453</b>	<b>1.0</b>	<b>87.8</b>	<b>76.6</b>	<b>12,196</b>	<b>GAS</b>	<b>5,401</b>	<b>1,023,000</b>	<b>5,525.0</b>	<b>17,340</b>	<b>3.83</b>	<b>3.21</b>
<b>BAYSIDE STATION TOTAL</b>	<b>2,083</b>	<b>593,052</b>	<b>38.3</b>	<b>72.2</b>	<b>53.6</b>	<b>7,662</b>	<b>GAS</b>	<b>4,442,082</b>	<b>1,023,000</b>	<b>4,544,249.0</b>	<b>14,262,264</b>	<b>2.40</b>	<b>3.21</b>
<b>SYSTEM</b>	<b>4,730</b>	<b>1,280,685</b>	<b>36.4</b>	<b>71.0</b>	<b>55.6</b>	<b>9,305</b>	-	-	-	<b>11,919,659.1</b>	<b>38,162,586</b>	<b>2.98</b>	-

Footnotes:

(1) As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

(2) Fuel burned (MM BTU) system total excludes ignition.

LEGEND:

B.B. = BIG BEND  
CT = COMBUSTION TURBINE

NG = NATURAL GAS

SYSTEM NET GENERATION AND FUEL COST  
TAMPA ELECTRIC COMPANY  
MONTH OF: April 2016

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(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) <sup>(2)</sup>	(L) AS BURNED FUEL COST (\$) <sup>(1)</sup>	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	257	22.3	-	45.0	-	SOLAR	-	-	-	-	-	-
B.B.#1 NAT GAS CO-FIRE	181	53,468	41.0	61.7	66.3	-	NG CO-FIRE	573,090	1,022,000	585,698.0	1,872,764	3.50	3.27
B.B.#1 COAL	385	59,906	21.6	61.7	34.9	-	COAL	27,427	23,170,000	635,488.7	2,701,356	4.51	98.49
<b>BIG BEND #1 TOTAL</b>	<b>385</b>	<b>113,374</b>	<b>40.9</b>	<b>61.7</b>	<b>66.1</b>	<b>10,771</b>	-	-	-	<b>1,221,186.7</b>	<b>4,574,120</b>	<b>4.03</b>	-
B.B.#2 NAT GAS CO-FIRE	181	0	0.0	0.0	0.0	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
B.B.#2 COAL	385	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
<b>BIG BEND #2 TOTAL</b>	<b>385</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	-	-	-	<b>0.0</b>	<b>0</b>	<b>0.00</b>	-
B.B.#3 NAT GAS CO-FIRE	181	93,144	71.5	59.3	76.2	-	NG CO-FIRE	964,388	1,022,000	985,606.0	3,151,465	3.38	3.27
B.B.#3 COAL	395	38,445	13.5	59.3	14.4	-	COAL	16,359	23,446,000	383,553.1	1,611,240	4.19	98.49
<b>BIG BEND #3 TOTAL</b>	<b>395</b>	<b>131,589</b>	<b>46.3</b>	<b>59.3</b>	<b>49.3</b>	<b>10,405</b>	-	-	-	<b>1,369,159.1</b>	<b>4,762,705</b>	<b>3.62</b>	-
B.B.#4 NAT GAS CO-FIRE	185	57,703	43.3	68.1	56.6	-	NG CO-FIRE	588,949	1,022,000	601,906.0	1,924,589	3.34	3.27
B.B.#4 COAL	437	91,462	29.1	67.9	38.0	-	COAL	40,427	23,118,000	934,595.8	3,981,760	4.35	98.49
<b>BIG BEND #4 TOTAL</b>	<b>437</b>	<b>149,165</b>	<b>47.4</b>	<b>68.1</b>	<b>61.9</b>	<b>10,301</b>	-	-	-	<b>1,536,501.8</b>	<b>5,906,349</b>	<b>3.96</b>	-
B.B. IGNITION	-	-	-	-	-	-	GAS	122,291	24,478,041	2,993,434.8	90,380	-	0.74
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,602</b>	<b>189,813</b>	<b>16.5</b>	<b>48.0</b>	<b>27.9</b>	<b>10,292</b>	<b>COAL</b>	<b>84,213</b>	<b>23,198,652</b>	<b>1,953,637.6</b>	<b>8,294,356</b>	<b>4.37</b>	<b>98.49</b>
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	773	1.9	98.3	80.6	12,808	GAS	0	1,022,000	9,900.3	31,655	4.10	0.00
<b>BIG BEND CT #4 TOTAL</b>	<b>56</b>	<b>773</b>	<b>1.9</b>	<b>98.3</b>	<b>80.6</b>	<b>12,808</b>	-	-	-	<b>9,900.3</b>	<b>31,655</b>	<b>4.10</b>	-
<b>BIG BEND STATION TOTAL</b>	<b>1,658</b>	<b>394,901</b>	<b>33.1</b>	<b>49.7</b>	<b>58.1</b>	<b>10,475</b>	-	-	-	<b>4,136,747.9</b>	<b>15,365,209</b>	<b>3.89</b>	-
POLK #1 GASIFIER	220	106,727	67.4	67.4	99.9	9,743	COAL	38,077	27,307,599	1,039,797.2	2,162,068	2.03	56.78
POLK #1 CT (GAS)	195	11,352	8.1	75.2	31.3	8,106	GAS	87,111	1,022,000	89,024.0	294,246	2.59	3.38
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>118,079</b>	<b>74.5</b>	<b>75.2</b>	<b>100.5</b>	<b>9,585</b>	-	-	-	<b>1,128,821.2</b>	<b>2,456,314</b>	<b>2.08</b>	-
POLK #2 CT (GAS)	151	889	0.8	5.3	58.8	15,487	GAS	13,472	1,022,000	13,768.0	44,023	4.95	3.27
POLK #2 CT (OIL)	159	19	0.0	5.3	21.7	15,796	LGT.OIL	52	5,772,544	300.6	6,639	34.94	127.67
<b>POLK #2 TOTAL</b>	<b>151</b>	<b>908</b>	<b>0.8</b>	<b>5.3</b>	<b>56.9</b>	<b>15,494</b>	-	-	-	<b>14,068.6</b>	<b>50,662</b>	<b>5.58</b>	-
POLK #3 CT (GAS)	151	6,002	5.5	79.5	76.5	11,994	GAS	70,440	1,022,000	71,990.0	230,187	3.84	3.27
POLK #3 CT (OIL)	159	0	0.0	79.5	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #3 TOTAL</b>	<b>151</b>	<b>6,002</b>	<b>5.5</b>	<b>79.5</b>	<b>76.5</b>	<b>11,994</b>	-	-	-	<b>71,990.0</b>	<b>230,187</b>	<b>3.84</b>	-
POLK #4 (GAS)	151	9,445	8.7	99.7	77.7	12,057	GAS	111,425	1,022,000	113,876.0	364,117	3.86	3.27
POLK #5 (GAS)	151	6,576	6.0	99.8	85.1	11,001	GAS	70,785	1,022,000	72,342.0	231,313	3.52	3.27
<b>POLK STATION TOTAL</b>	<b>824</b>	<b>141,010</b>	<b>23.8</b>	<b>72.2</b>	<b>96.0</b>	<b>9,957</b>	-	-	-	<b>1,401,097.8</b>	<b>3,332,593</b>	<b>2.36</b>	-
BAYSIDE ST 1	233	130,527	77.8	99.8	78.0	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	75,283	67.0	100.0	92.6	11,519	GAS	848,500	1,022,000	867,167.0	2,774,450	3.69	3.27
BAYSIDE CT1B	156	82,923	73.8	99.7	88.5	11,627	GAS	943,386	1,022,000	964,140.0	3,084,712	3.72	3.27
BAYSIDE CT1C	156	88,018	78.4	98.7	88.9	11,223	GAS	966,560	1,022,000	987,824.0	3,160,487	3.59	3.27
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>701</b>	<b>376,751</b>	<b>74.6</b>	<b>99.3</b>	<b>74.8</b>	<b>7,483</b>	<b>GAS</b>	<b>2,758,446</b>	<b>1,022,000</b>	<b>2,819,131.0</b>	<b>9,019,649</b>	<b>2.39</b>	<b>3.27</b>
BAYSIDE ST 2	305	158,613	72.2	98.8	73.1	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	67,592	60.2	92.7	90.1	11,291	GAS	746,721	1,022,000	763,149.0	2,441,651	3.61	3.27
BAYSIDE CT2B	156	81,669	72.7	98.5	92.5	11,755	GAS	939,360	1,022,000	960,026.0	3,071,548	3.76	3.27
BAYSIDE CT2C	156	71,557	63.7	98.1	91.7	11,463	GAS	802,604	1,022,000	820,261.0	2,624,379	3.67	3.27
BAYSIDE CT2D	156	80,064	71.3	93.6	89.1	11,529	GAS	903,159	1,022,000	923,028.0	2,953,177	3.69	3.27
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>929</b>	<b>459,495</b>	<b>68.7</b>	<b>94.5</b>	<b>69.5</b>	<b>7,544</b>	<b>GAS</b>	<b>3,391,844</b>	<b>1,022,000</b>	<b>3,466,464.0</b>	<b>11,090,755</b>	<b>2.41</b>	<b>3.27</b>
BAYSIDE UNIT 3 TOTAL	56	1,294	3.2	87.5	78.2	11,971	GAS	15,157	1,022,000	15,490.0	49,559	3.83	3.27
BAYSIDE UNIT 4 TOTAL	56	2,769	6.9	97.6	93.3	11,436	GAS	30,983	1,022,000	31,665.0	101,310	3.66	3.27
BAYSIDE UNIT 5 TOTAL	56	227	0.6	98.3	82.2	13,273	GAS	2,948	1,022,000	3,013.0	9,640	4.25	3.27
BAYSIDE UNIT 6 TOTAL	56	782	1.9	98.3	93.0	11,520	GAS	8,815	1,022,000	9,009.0	28,824	3.69	3.27
<b>BAYSIDE STATION TOTAL</b>	<b>1,854</b>	<b>841,318</b>	<b>63.0</b>	<b>96.4</b>	<b>71.9</b>	<b>7,541</b>	<b>GAS</b>	<b>6,208,193</b>	<b>1,022,000</b>	<b>6,344,772.0</b>	<b>20,299,737</b>	<b>2.41</b>	<b>3.27</b>
<b>SYSTEM</b>	<b>4,338</b>	<b>1,377,486</b>	<b>44.1</b>	<b>73.9</b>	<b>69.0</b>	<b>8,628</b>	-	-	-	<b>11,882,617.7</b>	<b>38,997,539</b>	<b>2.83</b>	-

Footnotes:

<sup>(1)</sup> As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.

<sup>(3)</sup> Includes Polk 1 Natural Gas consumption adjustment of (2,932.55) MCF and (3,000.0) MM BTU for the month of March 2016.

LEGEND:

B.B. = BIG BEND

NG = NATURAL GAS

CT = COMBUSTION TURBINE

SYSTEM NET GENERATION AND FUEL COST  
TAMPA ELECTRIC COMPANY  
MONTH OF: May 2016

SCHEDULE A4  
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(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	350	29.4	-	56.3	-	SOLAR	-	-	-	-	-	-
B.B.#1 NAT GAS CO-FIRE	181	278	0.2	68.4	4.7	-	NG CO-FIRE	2,989	1,020,000	3,049.0	11,871	4.27	3.97
B.B.#1 COAL	385	184,696	64.5	66.5	92.9	-	COAL	83,882	23,704,000	1,988,338.9	7,508,091	4.07	89.51
<b>BIG BEND #1 TOTAL</b>	<b>385</b>	<b>184,974</b>	<b>64.6</b>	<b>68.4</b>	<b>93.0</b>	<b>10,766</b>	-	-	-	<b>1,991,387.9</b>	<b>7,519,962</b>	<b>4.07</b>	-
B.B.#2 NAT GAS CO-FIRE	181	0	0.0	0.0	0.0	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
B.B.#2 COAL	385	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
<b>BIG BEND #2 TOTAL</b>	<b>385</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	-	-	-	<b>0.0</b>	<b>0</b>	<b>0.00</b>	-
B.B.#3 NAT GAS CO-FIRE	181	294	0.2	74.2	4.9	-	NG CO-FIRE	3,087	1,020,000	3,149.0	12,260	4.17	3.97
B.B.#3 COAL	395	204,479	69.6	73.8	93.1	-	COAL	91,214	23,620,000	2,154,474.7	8,164,361	3.99	89.51
<b>BIG BEND #3 TOTAL</b>	<b>395</b>	<b>204,773</b>	<b>69.7</b>	<b>74.2</b>	<b>93.2</b>	<b>10,537</b>	-	-	-	<b>2,157,623.7</b>	<b>8,176,621</b>	<b>3.99</b>	-
B.B.#4 NAT GAS CO-FIRE	185	68	0.0	92.3	1.1	-	NG CO-FIRE	709	1,020,000	723.0	2,815	4.14	3.97
B.B.#4 COAL	437	255,804	78.7	82.3	84.6	-	COAL	113,295	23,630,000	2,677,160.9	10,140,783	3.96	89.51
<b>BIG BEND #4 TOTAL</b>	<b>437</b>	<b>255,872</b>	<b>78.7</b>	<b>92.3</b>	<b>84.7</b>	<b>10,466</b>	-	-	-	<b>2,677,883.9</b>	<b>10,143,598</b>	<b>3.96</b>	-
B.B. IGNITION	-	-	-	-	-	-	GAS	288,391	23,648,361	6,819,974.5	78,263	-	0.27
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,602</b>	<b>644,979</b>	<b>54.1</b>	<b>56.6</b>	<b>89.5</b>	<b>10,574</b>	<b>COAL</b>	<b>288,391</b>	<b>23,648,361</b>	<b>6,819,974.5</b>	<b>25,813,235</b>	<b>4.00</b>	<b>89.51</b>
B.B. CT#4 (OIL)	56	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	2,096	5.0	100.0	93.7	11,323	GAS	23,268	1,020,000	23,733.8	92,404	4.41	3.97
<b>BIG BEND CT #4 TOTAL</b>	<b>56</b>	<b>2,096</b>	<b>5.0</b>	<b>99.8</b>	<b>93.7</b>	<b>11,323</b>	-	-	-	<b>23,733.8</b>	<b>92,404</b>	<b>4.41</b>	-
<b>BIG BEND STATION TOTAL</b>	<b>1,658</b>	<b>647,715</b>	<b>52.5</b>	<b>61.3</b>	<b>89.6</b>	<b>10,577</b>	-	-	-	<b>6,850,629.3</b>	<b>26,010,848</b>	<b>4.02</b>	-
POLK #1 GASIFIER	220	(7,548)	0.0	0.0	0.0	0	COAL	0	0	0.0	57,201	(0.76)	0.00
POLK #1 CT (GAS)	195	10,431	7.2	10.2	70.7	9,024	GAS	92,288	1,020,000	94,134.0	366,493	3.51	3.97
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>2,883</b>	<b>1.8</b>	<b>10.2</b>	<b>17.3</b>	<b>32,651</b>	-	-	-	<b>94,134.0</b>	<b>423,694</b>	<b>14.70</b>	-
POLK #2 CT (GAS)	151	17,773	15.8	87.5	81.0	11,505	GAS	200,476	1,020,000	204,486.0	796,127	4.48	3.97
POLK #2 CT (OIL)	159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #2 TOTAL</b>	<b>151</b>	<b>17,773</b>	<b>15.8</b>	<b>100.0</b>	<b>81.0</b>	<b>11,505</b>	-	-	-	<b>204,486.0</b>	<b>796,127</b>	<b>4.48</b>	-
POLK #3 CT (GAS)	151	3,727	3.3	87.5	57.9	12,365	GAS	45,179	1,020,000	46,083.0	179,415	4.81	3.97
POLK #3 CT (OIL)	159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #3 TOTAL</b>	<b>151</b>	<b>3,727</b>	<b>3.3</b>	<b>100.0</b>	<b>57.9</b>	<b>12,365</b>	-	-	-	<b>46,083.0</b>	<b>179,415</b>	<b>4.81</b>	-
<b>POLK #4 (GAS)</b>	<b>151</b>	<b>8,191</b>	<b>7.3</b>	<b>73.0</b>	<b>72.4</b>	<b>12,107</b>	<b>GAS</b>	<b>97,222</b>	<b>1,020,000</b>	<b>99,166.0</b>	<b>386,084</b>	<b>4.71</b>	<b>3.97</b>
<b>POLK #5 (GAS)</b>	<b>151</b>	<b>3,401</b>	<b>3.0</b>	<b>81.5</b>	<b>82.3</b>	<b>11,137</b>	<b>GAS</b>	<b>37,133</b>	<b>1,020,000</b>	<b>37,876.0</b>	<b>147,463</b>	<b>4.34</b>	<b>3.97</b>
<b>POLK STATION TOTAL</b>	<b>824</b>	<b>35,975</b>	<b>5.9</b>	<b>67.7</b>	<b>59.5</b>	<b>13,391</b>	-	-	-	<b>481,745.0</b>	<b>1,932,783</b>	<b>5.37</b>	-
BAYSIDE ST 1	233	115,538	66.6	100.0	66.6	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	64,889	55.9	95.6	85.7	11,327	GAS	720,580	1,020,000	734,991.0	2,862,511	4.41	3.97
BAYSIDE CT1B	156	76,309	65.7	100.0	87.8	11,434	GAS	855,377	1,020,000	872,485.0	3,397,993	4.45	3.97
BAYSIDE CT1C	156	75,662	65.2	99.4	85.9	11,082	GAS	822,042	1,020,000	838,483.0	3,265,570	4.32	3.97
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>701</b>	<b>332,398</b>	<b>63.7</b>	<b>98.4</b>	<b>63.7</b>	<b>7,359</b>	<b>GAS</b>	<b>2,397,999</b>	<b>1,020,000</b>	<b>2,445,959.0</b>	<b>9,526,074</b>	<b>2.87</b>	<b>3.97</b>
BAYSIDE ST 2	305	145,381	64.1	100.0	64.1	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	73,153	63.0	96.1	85.9	11,145	GAS	799,309	1,020,000	815,295.0	3,175,262	4.34	3.97
BAYSIDE CT2B	156	67,132	57.8	100.0	86.7	11,491	GAS	756,308	1,020,000	771,434.0	3,004,440	4.48	3.97
BAYSIDE CT2C	156	62,164	53.6	99.9	87.3	11,301	GAS	688,757	1,020,000	702,532.0	2,736,093	4.40	3.97
BAYSIDE CT2D	156	72,636	62.6	100.0	86.5	11,332	GAS	807,006	1,020,000	823,146.0	3,205,838	4.41	3.97
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>929</b>	<b>420,466</b>	<b>60.8</b>	<b>99.0</b>	<b>60.8</b>	<b>7,402</b>	<b>GAS</b>	<b>3,051,380</b>	<b>1,020,000</b>	<b>3,112,407.0</b>	<b>12,121,633</b>	<b>2.88</b>	<b>3.97</b>
BAYSIDE UNIT 3 TOTAL	56	1,367	3.3	100.0	87.2	11,391	GAS	15,267	1,020,000	15,572.0	60,647	4.44	3.97
BAYSIDE UNIT 4 TOTAL	56	2,306	5.5	100.0	90.0	11,111	GAS	25,121	1,020,000	25,623.0	99,792	4.33	3.97
BAYSIDE UNIT 5 TOTAL	56	52	0.1	100.0	33.4	18,615	GAS	949	1,020,000	968.0	3,770	7.25	3.97
BAYSIDE UNIT 6 TOTAL	56	372	0.9	96.9	79.2	11,583	GAS	4,225	1,020,000	4,309.0	16,782	4.51	3.97
<b>BAYSIDE STATION TOTAL</b>	<b>1,854</b>	<b>756,961</b>	<b>54.9</b>	<b>98.8</b>	<b>62.2</b>	<b>7,404</b>	<b>GAS</b>	<b>5,494,941</b>	<b>1,020,000</b>	<b>5,604,838.0</b>	<b>21,828,698</b>	<b>2.88</b>	<b>3.97</b>
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	-	-	-	1,822,960	-	-
<b>SYSTEM</b>	<b>4,338</b>	<b>1,441,001</b>	<b>44.7</b>	<b>78.5</b>	<b>72.0</b>	<b>8,978</b>	-	-	-	<b>12,937,212.3</b>	<b>51,595,289</b>	<b>3.58</b>	-

Footnotes:

<sup>(1)</sup> As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.

<sup>(3)</sup> Station Service

LEGEND:

B.B. = BIG BEND  
CT = COMBUSTION TURBINE

NG = NATURAL GAS

SYSTEM NET GENERATION AND FUEL COST  
TAMPA ELECTRIC COMPANY  
MONTH OF: June 2016

SCHEDULE A4  
PAGE 1 OF 1

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) <sup>(2)</sup>	(L) AS BURNED FUEL COST (\$) <sup>(1)</sup>	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	292	25.3	-	48.1	-	SOLAR	-	-	-	-	-	-
B.B.#1 NAT GAS CO-FIRE	181	5,635	4.3	88.4	35.8	-	NG CO-FIRE	60,102	1,018,000	61,184.0	226,337	4.02	3.77
B.B.#1 COAL	385	224,747	81.1	86.0	81.1	-	COAL	101,601	23,608,000	2,398,592.9	8,746,488	3.89	86.09
<b>BIG BEND #1 TOTAL</b>	<b>385</b>	<b>230,382</b>	<b>83.1</b>	<b>88.4</b>	<b>83.1</b>	<b>10,677</b>	-	-	-	<b>2,459,776.9</b>	<b>8,972,825</b>	<b>3.89</b>	-
B.B.#2 NAT GAS CO-FIRE	181	16,239	12.5	36.8	34.6	-	NG CO-FIRE	169,621	1,018,000	172,674.0	638,771	3.93	3.77
B.B.#2 COAL	385	67,162	24.2	35.4	49.4	-	COAL	29,495	23,710,000	699,326.5	2,539,125	3.78	86.09
<b>BIG BEND #2 TOTAL</b>	<b>385</b>	<b>83,401</b>	<b>30.1</b>	<b>36.8</b>	<b>61.3</b>	<b>10,456</b>	-	-	-	<b>872,000.5</b>	<b>3,177,896</b>	<b>3.81</b>	-
B.B.#3 NAT GAS CO-FIRE	181	589	0.5	52.7	3.8	-	NG CO-FIRE	6,340	1,018,000	6,454.0	23,875	4.05	3.77
B.B.#3 COAL	395	138,462	48.7	52.7	56.3	-	COAL	62,905	23,698,000	1,490,715.1	5,415,280	3.91	86.09
<b>BIG BEND #3 TOTAL</b>	<b>395</b>	<b>139,051</b>	<b>48.9</b>	<b>52.7</b>	<b>56.5</b>	<b>10,767</b>	-	-	-	<b>1,497,169.1</b>	<b>5,439,155</b>	<b>3.91</b>	-
B.B.#4 NAT GAS CO-FIRE	185	113	0.1	63.4	5.6	-	NG CO-FIRE	1,164	1,018,000	1,185.0	4,384	3.88	3.77
B.B.#4 COAL	437	184,415	58.6	63.4	70.3	-	COAL	80,539	23,716,000	1,910,051.1	6,933,331	3.76	86.09
<b>BIG BEND #4 TOTAL</b>	<b>437</b>	<b>184,528</b>	<b>58.6</b>	<b>63.4</b>	<b>70.3</b>	<b>10,357</b>	-	-	-	<b>1,911,236.1</b>	<b>6,937,715</b>	<b>3.76</b>	-
B.B. IGNITION	-	-	-	-	-	-	GAS	312,702	24,130,570	7,545,670.0	264,547	-	0.85
<b>BIG BEND 1-4 COAL TOTAL</b>	<b>1,602</b>	<b>614,786</b>	<b>53.3</b>	<b>59.5</b>	<b>66.7</b>	<b>10,571</b>	<b>COAL</b>	<b>274,540</b>	<b>23,671,263</b>	<b>6,498,685.6</b>	<b>23,634,224</b>	<b>3.84</b>	<b>86.09</b>
B.B. CT#4 (OIL)	56	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	2,657	6.6	100.0	90.2	11,624	GAS	30,339	1,018,000	30,885.6	114,256	4.30	3.77
<b>BIG BEND CT #4 TOTAL</b>	<b>56</b>	<b>2,657</b>	<b>6.6</b>	<b>100.0</b>	<b>90.2</b>	<b>11,624</b>	-	-	-	<b>30,885.6</b>	<b>114,256</b>	<b>4.30</b>	-
<b>BIG BEND STATION TOTAL</b>	<b>1,658</b>	<b>640,019</b>	<b>53.6</b>	<b>61.7</b>	<b>69.2</b>	<b>10,579</b>	-	-	-	<b>6,771,068.2</b>	<b>24,906,394</b>	<b>3.89</b>	-
POLK #1 GASIFIER	220	106,175	67.0	69.6	93.5	9,861	COAL	38,163	27,434,786	1,046,984.4	1,923,843	1.81	50.41
POLK #1 CT (GAS)	195	25,177	17.9	98.1	50.4	8,025	GAS	198,476	1,018,000	202,049.0	747,438	2.97	3.77
<b>POLK #1 TOTAL</b>	<b>220</b>	<b>131,352</b>	<b>82.9</b>	<b>98.1</b>	<b>90.9</b>	<b>9,509</b>	-	-	-	<b>1,249,033.4</b>	<b>2,671,281</b>	<b>2.03</b>	-
POLK #2 CT (GAS)	151	13,948	12.8	97.5	49.9	13,900	GAS	190,455	1,018,000	193,883.0	717,229	5.14	3.77
POLK #2 CT (OIL)	159	0	0.0	97.5	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #2 TOTAL</b>	<b>151</b>	<b>13,948</b>	<b>12.8</b>	<b>97.5</b>	<b>49.9</b>	<b>13,900</b>	-	-	-	<b>193,883.0</b>	<b>717,229</b>	<b>5.14</b>	-
POLK #3 CT (GAS)	151	14,467	13.3	79.1	56.4	12,828	GAS	182,311	1,018,000	185,593.0	686,562	4.75	3.77
POLK #3 CT (OIL)	159	0	0.0	79.1	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
<b>POLK #3 TOTAL</b>	<b>151</b>	<b>14,467</b>	<b>13.3</b>	<b>79.1</b>	<b>56.4</b>	<b>12,828</b>	-	-	-	<b>185,593.0</b>	<b>686,562</b>	<b>4.75</b>	-
<b>POLK #4 (GAS)</b>	<b>151</b>	<b>14,209</b>	<b>13.1</b>	<b>96.2</b>	<b>44.0</b>	<b>14,557</b>	<b>GAS</b>	<b>203,181</b>	<b>1,018,000</b>	<b>206,838.0</b>	<b>765,153</b>	<b>5.38</b>	<b>3.77</b>
<b>POLK #5 (GAS)</b>	<b>151</b>	<b>11,118</b>	<b>10.2</b>	<b>96.2</b>	<b>39.6</b>	<b>14,211</b>	<b>GAS</b>	<b>155,203</b>	<b>1,018,000</b>	<b>157,997.0</b>	<b>584,476</b>	<b>5.26</b>	<b>3.77</b>
<b>POLK STATION TOTAL</b>	<b>824</b>	<b>185,094</b>	<b>31.2</b>	<b>93.8</b>	<b>71.6</b>	<b>10,769</b>	-	-	-	<b>1,993,344.4</b>	<b>5,424,701</b>	<b>2.93</b>	-
BAYSIDE ST 1	233	122,281	72.9	100.0	72.9	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	73,017	65.0	97.5	85.6	11,479	GAS	823,330	1,018,000	838,150.0	3,101,092	4.25	3.77
BAYSIDE CT1B	156	74,394	66.2	95.2	86.0	11,641	GAS	850,672	1,018,000	865,984.0	3,204,076	4.31	3.77
BAYSIDE CT1C	156	81,631	72.7	96.9	85.5	11,186	GAS	897,014	1,018,000	913,160.0	3,378,625	4.14	3.77
<b>BAYSIDE UNIT 1 TOTAL</b>	<b>701</b>	<b>351,323</b>	<b>69.6</b>	<b>96.6</b>	<b>69.6</b>	<b>7,450</b>	<b>GAS</b>	<b>2,571,016</b>	<b>1,018,000</b>	<b>2,617,294.0</b>	<b>9,683,793</b>	<b>2.76</b>	<b>3.77</b>
BAYSIDE ST 2	305	149,867	68.2	99.2	68.8	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	66,603	59.3	83.5	83.2	11,225	GAS	734,402	1,018,000	747,621.0	2,766,143	4.15	3.77
BAYSIDE CT2B	156	69,791	62.1	90.2	85.8	11,622	GAS	796,754	1,018,000	811,096.0	3,000,993	4.30	3.77
BAYSIDE CT2C	156	68,251	60.8	97.4	87.2	11,450	GAS	767,660	1,018,000	781,478.0	2,891,410	4.24	3.77
BAYSIDE CT2D	156	76,101	67.8	97.7	85.6	11,500	GAS	859,676	1,018,000	875,150.0	3,237,990	4.25	3.77
<b>BAYSIDE UNIT 2 TOTAL</b>	<b>929</b>	<b>430,613</b>	<b>64.4</b>	<b>91.4</b>	<b>64.9</b>	<b>7,467</b>	<b>GAS</b>	<b>3,158,492</b>	<b>1,018,000</b>	<b>3,215,345.0</b>	<b>11,896,536</b>	<b>2.76</b>	<b>3.77</b>
BAYSIDE UNIT 3 TOTAL	56	2,174	5.4	100.0	93.2	11,222	GAS	23,965	1,018,000	24,396.0	90,263	4.15	3.77
BAYSIDE UNIT 4 TOTAL	56	3,233	8.0	100.0	89.7	11,170	GAS	35,475	1,018,000	36,114.0	133,619	4.13	3.77
BAYSIDE UNIT 5 TOTAL	56	280	0.7	100.0	82.0	12,896	GAS	3,547	1,018,000	3,611.0	13,360	4.77	3.77
BAYSIDE UNIT 6 TOTAL	56	917	2.3	97.9	79.6	11,646	GAS	10,490	1,018,000	10,679.0	39,512	4.31	3.77
<b>BAYSIDE STATION TOTAL</b>	<b>1,854</b>	<b>788,540</b>	<b>59.1</b>	<b>94.3</b>	<b>67.1</b>	<b>7,492</b>	<b>GAS</b>	<b>5,802,985</b>	<b>1,018,000</b>	<b>5,907,439.0</b>	<b>21,857,083</b>	<b>2.77</b>	<b>3.77</b>
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	-	-	-	(1,757)	-	-
<b>SYSTEM</b>	<b>4,338</b>	<b>1,613,945</b>	<b>51.7</b>	<b>81.7</b>	<b>68.4</b>	<b>9,091</b>	-	-	-	<b>14,671,851.6</b>	<b>52,186,421</b>	<b>3.23</b>	-

Footnotes:

<sup>(1)</sup> As burned fuel cost system total includes ignition and excludes the Polk warm gas cleanup credit.

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.

LEGEND:

B.B. = BIG BEND  
CT = COMBUSTION TURBINE

NG = NATURAL GAS

TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: JULY 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	<sup>(5)</sup> 0.0	0	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	185,610	-	-	-	10,568	COAL	82,590	23,750,333	1,961,540.0	6,715,894	3.62	81.32
6. TOTAL BIG BEND #1	385	185,610	64.8	76.4	86.6	10,568	-	-	-	1,961,540.0	6,715,894	3.62	-
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	178,650	-	-	-	10,331	COAL	79,210	23,300,593	1,845,640.0	6,441,049	3.61	81.32
9. TOTAL BIG BEND #2	385	178,650	62.4	85.0	84.7	10,331	-	-	-	1,845,640.0	6,441,049	3.61	-
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	195,660	-	-	-	10,409	COAL	88,550	22,999,322	2,036,590.0	7,200,539	3.68	81.32
12. TOTAL BIG BEND #3	395	195,660	66.6	84.4	80.5	10,409	-	-	-	2,036,590.0	7,200,539	3.68	-
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	201,890	-	-	-	10,435	COAL	91,600	22,999,454	2,106,750.0	7,451,932	3.69	81.35
15. TOTAL BIG BEND #4	437	201,890	62.1	81.6	81.3	10,435	-	-	-	2,106,750.0	7,451,932	3.69	-
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	23,780	-	24,460.0	114,904	-	4.83
17. BIG BEND 1-4 COAL TOTAL	1,602	761,810	63.9	81.8	83.1	10,436	COAL	341,950	23,250,534	7,950,520.0	27,809,414	3.65	81.33
18. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	56	2,280	5.5	-	92.5	11,921	GAS	26,450	1,027,599	27,180.0	127,806	5.61	4.83
20. B.B.C.T.#4 TOTAL	56	2,280	5.5	98.2	92.5	11,921	-	-	-	27,180.0	127,806	5.61	-
21. BIG BEND STATION TOTAL	1,658	764,090	61.9	82.4	83.1	10,441	-	-	-	7,977,700.0	28,052,124	3.67	-
22. POLK #1 GASIFIER	220	142,090	86.8	-	97.4	10,204	COAL	52,860	27,429,436	1,449,920.0	2,798,171	1.97	52.94
23. POLK #1 CT GAS	195	2,060	1.4	-	88.0	8,340	GAS	18,470	930,157	17,180.0	80,790	3.92	4.37
24. POLK #1 TOTAL	220	144,150	88.1	82.5	97.3	10,178	-	-	-	1,467,100.0	2,878,961	2.00	-
25. POLK #2 CT GAS	151	5,730	5.1	-	97.3	11,340	GAS	63,210	1,028,002	64,980.0	305,429	5.33	4.83
26. POLK #2 CC GAS-Testing	<sup>(6)</sup> -	85,200	-	-	-	6,788	GAS	562,630	1,027,994	578,380.0	2,718,610	3.19	4.83
27. POLK #2 CT OIL	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,392	23.08	126.96
28. POLK #2 TOTAL	151	91,040	81.0	21.1	89.5	7,080	-	-	-	644,540.0	3,049,431	3.35	-
29. POLK #3 CT GAS	151	2,960	2.6	-	93.3	11,490	GAS	33,080	1,028,114	34,010.0	159,841	5.40	4.83
30. POLK #3 CT OIL	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,391	23.08	126.96
31. POLK #3 TOTAL	151	3,070	2.7	21.5	80.6	11,463	-	-	-	35,190.0	185,232	6.03	-
32. POLK #4 CT GAS	151	1,130	1.0	95.7	93.5	11,549	GAS	12,690	1,028,369	13,050.0	61,318	5.43	4.83
33. POLK #5 CT GAS	151	1,500	1.3	94.1	90.3	11,593	GAS	16,920	1,027,778	17,390.0	81,757	5.45	4.83
34. POLK STATION TOTAL	824	240,890	39.3	64.6	149.2	9,038	-	-	-	2,177,270.0	6,256,699	2.60	-
35. CITY OF TAMPA GAS	<sup>(3)</sup> 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	701	342,500	65.7	91.6	66.9	7,419	GAS	2,471,880	1,027,999	2,541,090.0	11,944,043	3.49	4.83
37. BAYSIDE #2	929	363,230	52.6	93.2	54.2	7,613	GAS	2,690,000	1,028,000	2,765,320.0	12,997,991	3.58	4.83
38. BAYSIDE #3	56	330	0.8	98.6	84.2	12,515	GAS	4,020	1,027,363	4,130.0	19,425	5.89	4.83
39. BAYSIDE #4	56	140	0.3	98.6	83.3	13,000	GAS	1,780	1,022,472	1,820.0	8,601	6.14	4.83
40. BAYSIDE #5	56	900	2.2	98.6	89.3	12,067	GAS	10,570	1,027,436	10,860.0	51,074	5.67	4.83
41. BAYSIDE #6	56	460	1.1	98.6	91.3	12,022	GAS	5,380	1,027,881	5,530.0	25,996	5.65	4.83
42. BAYSIDE TOTAL	1,854	707,560	51.3	93.2	59.7	7,531	GAS	5,183,630	1,027,996	5,328,750.0	25,047,130	3.54	4.83
43. SYSTEM	4,338	1,712,830	53.1	83.6	74.0	9,040	-	-	-	15,483,720.0	59,355,953	3.47	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.

<sup>(2)</sup> City of Tampa on long term reserve standby.

<sup>(3)</sup> Commercial operation scheduled for November 2016

<sup>(4)</sup> Fuel burned (MM BTU) system total excludes ignition.

<sup>(5)</sup> AC rating

<sup>(6)</sup> Commercial operation scheduled for January 2017

TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: AUGUST 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	<sup>(5)</sup> 0.0	0	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	193,690	-	-	-	10,560	COAL	86,120	23,750,000	2,045,350.0	7,171,885	3.70	83.28
6. TOTAL BIG BEND #1	385	193,690	67.6	76.4	87.0	10,560	-	-	2,045,350.0	7,171,885	3.70	-	
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	179,040	-	-	-	10,294	COAL	79,100	23,299,368	1,842,980.0	6,587,271	3.68	83.28
9. TOTAL BIG BEND #2	385	179,040	62.5	85.0	87.1	10,294	-	-	1,842,980.0	6,587,271	3.68	-	
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	197,910	-	-	-	10,384	COAL	89,350	23,000,783	2,055,120.0	7,440,868	3.76	83.28
12. TOTAL BIG BEND #3	395	197,910	67.3	84.4	82.4	10,384	-	-	2,055,120.0	7,440,868	3.76	-	
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	185,630	-	-	-	10,418	COAL	84,080	23,000,714	1,933,900.0	7,005,885	3.77	83.32
15. TOTAL BIG BEND #4	437	185,630	57.1	81.6	82.2	10,418	-	-	1,933,900.0	7,005,885	3.77	-	
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	14,600	15,020.0	-	56,937	-	3.90
17. BIG BEND 1-4 COAL TOTAL	1,602	756,270	63.5	81.8	84.6	10,416	COAL	338,650	23,261,036	7,877,350.0	28,205,909	3.73	83.29
18. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	56	2,510	6.0	-	97.4	11,737	GAS	28,660	1,027,913	29,460.0	111,768	4.45	3.90
20. B.B.C.T.#4 TOTAL	56	2,510	6.0	98.2	97.4	11,737	-	-	29,460.0	111,768	4.45	-	
21. BIG BEND STATION TOTAL	1,658	758,780	61.5	82.4	84.6	10,420	-	-	-	7,906,810.0	28,374,614	3.74	-
22. POLK #1 GASIFIER	220	142,090	86.8	-	97.4	10,204	COAL	52,860	27,429,436	1,449,920.0	2,874,961	2.02	54.39
23. POLK #1 CT GAS	195	6,150	4.2	-	95.6	8,324	GAS	51,550	993,016	51,190.0	194,210	3.16	3.77
24. POLK #1 TOTAL	220	148,240	90.6	82.5	97.3	10,126	-	-	-	1,501,110.0	3,069,171	2.07	-
25. POLK #2 CT GAS	151	2,050	1.8	-	97.0	11,361	GAS	22,660	1,027,802	23,290.0	88,369	4.31	3.90
26. POLK #2 CC GAS-Testing	<sup>(6)</sup> -	152,870	-	-	-	6,775	GAS	1,007,490	1,028,000	1,035,700.0	3,929,009	2.57	3.90
27. POLK #2 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	32,835	23.45	126.29
28. POLK #2 TOTAL	151	155,060	138.0	42.2	75.3	6,839	-	-	-	1,060,470.0	4,050,213	2.61	-
29. POLK #3 CT GAS	151	3,820	3.4	-	97.3	11,317	GAS	42,050	1,028,062	43,230.0	163,987	4.29	3.90
30. POLK #3 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	32,836	23.45	126.29
31. POLK #3 TOTAL	151	3,960	3.5	95.3	83.9	11,290	-	-	-	44,710.0	196,823	4.97	-
32. POLK #4 CT GAS	151	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	151	910	0.8	42.5	100.4	11,209	GAS	9,920	1,028,226	10,200.0	38,686	4.25	3.90
34. POLK STATION TOTAL	824	308,170	50.3	55.0	191.6	8,490	-	-	-	2,616,490.0	7,354,893	2.39	-
35. CITY OF TAMPA GAS	<sup>(3)</sup> 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	701	350,880	67.3	91.6	68.7	7,405	GAS	2,527,380	1,027,997	2,598,140.0	9,856,275	2.81	3.90
37. BAYSIDE #2	929	336,380	48.7	93.2	50.2	7,666	GAS	2,508,590	1,028,000	2,578,830.0	9,782,997	2.91	3.90
38. BAYSIDE #3	56	390	0.9	98.6	99.5	11,769	GAS	4,460	1,029,148	4,590.0	17,393	4.46	3.90
39. BAYSIDE #4	56	390	0.9	98.6	99.5	11,897	GAS	4,520	1,026,549	4,640.0	17,627	4.52	3.90
40. BAYSIDE #5	56	960	2.3	98.6	95.2	11,854	GAS	11,070	1,028,004	11,380.0	43,171	4.50	3.90
41. BAYSIDE #6	56	440	1.1	98.6	98.2	11,773	GAS	5,030	1,029,821	5,180.0	19,616	4.46	3.90
42. BAYSIDE TOTAL	1,854	689,440	50.0	93.2	58.2	7,546	GAS	5,061,050	1,028,000	5,202,760.0	19,737,079	2.86	3.90
43. SYSTEM	4,338	1,756,680	54.4	81.8	74.6	8,952	-	-	-	15,726,060.0	55,466,586	3.16	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.  
<sup>(2)</sup> City of Tampa on long term reserve standby.  
<sup>(5)</sup> Commercial operation scheduled for November 2016

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.  
<sup>(4)</sup> AC rating  
<sup>(6)</sup> Commercial operation scheduled for January 2017

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TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: SEPTEMBER 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	260	22.6	-	22.6	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	<sup>(5)</sup> 0.0	0	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 1.6	260	22.6	-	22.6	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	175,760	-	-	-	10,527	COAL	77,910	23,748,941	1,850,280.0	6,396,582	3.64	82.10
6. TOTAL BIG BEND #1	385	175,760	63.4	76.4	89.2	10,527	-	-	-	1,850,280.0	6,396,582	3.64	-
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	180,180	-	-	-	10,281	COAL	79,500	23,300,252	1,852,370.0	6,527,125	3.62	82.10
9. TOTAL BIG BEND #2	385	180,180	65.0	85.0	88.5	10,281	-	-	-	1,852,370.0	6,527,125	3.62	-
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	45,600	-	-	-	10,528	COAL	20,870	23,003,833	480,090.0	1,713,474	3.76	82.10
12. TOTAL BIG BEND #3	395	45,600	16.0	84.4	72.6	10,528	-	-	-	480,090.0	1,713,474	3.76	-
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	204,500	-	-	-	10,437	COAL	92,800	22,998,922	2,134,300.0	7,623,275	3.73	82.15
15. TOTAL BIG BEND #4	437	204,500	65.0	81.6	81.1	10,437	-	-	-	2,134,300.0	7,623,275	3.73	-
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	23,780	-	24,460.0	89,654	-	3.77
17. BIG BEND 1-4 COAL TOTAL	1,602	606,040	52.5	81.8	84.7	10,423	COAL	271,080	23,303,232	6,317,040.0	22,260,456	3.67	82.12
18. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	56	1,120	2.8	-	95.2	12,054	GAS	13,140	1,027,397	13,500.0	49,540	4.42	3.77
20. B.B.C.T.#4 TOTAL	56	1,120	2.8	98.2	95.2	12,054	-	-	-	13,500.0	49,540	4.42	-
21. BIG BEND STATION TOTAL	1,658	607,160	50.9	82.4	84.7	10,426	-	-	-	6,330,540.0	22,399,650	3.69	-
22. POLK #1 GASIFIER	220	137,510	86.8	-	97.4	10,207	COAL	51,170	27,428,181	1,403,500.0	2,933,800	2.13	57.33
23. POLK #1 CT GAS	195	4,420	3.1	-	98.6	8,428	GAS	37,980	980,779	37,250.0	136,593	3.09	3.60
24. POLK #1 TOTAL	220	141,930	89.6	82.5	97.4	10,151	-	-	-	1,440,750.0	3,070,393	2.16	-
25. POLK #2 CT GAS	151	560	0.5	-	92.7	11,482	GAS	6,250	1,028,800	6,430.0	23,563	4.21	3.77
26. POLK #2 CC GAS-Testing	<sup>(6)</sup> -	205,810	-	-	-	6,783	GAS	1,358,090	1,027,995	1,396,110.0	5,120,214	2.49	3.77
27. POLK #2 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,410	24.01	125.76
28. POLK #2 TOTAL	151	206,480	189.9	0.0	54.0	6,799	-	-	-	1,403,760.0	5,170,187	2.50	-
29. POLK #3 CT GAS	151	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,410	24.01	125.76
31. POLK #3 TOTAL	151	110	0.1	95.3	17.3	11,091	-	-	-	1,220.0	26,410	24.01	-
32. POLK #4 CT GAS	151	1,080	1.0	95.7	89.4	11,648	GAS	12,240	1,027,778	12,580.0	46,147	4.27	3.77
33. POLK #5 CT GAS	151	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK STATION TOTAL	824	349,600	58.9	57.0	234.9	8,176	-	-	-	2,858,310.0	8,313,137	2.38	-
35. CITY OF TAMPA GAS	<sup>(3)</sup> 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	701	333,780	66.1	91.6	72.6	7,374	GAS	2,394,230	1,027,996	2,461,260.0	9,026,625	2.70	3.77
37. BAYSIDE #2	929	341,650	51.1	93.2	52.6	7,627	GAS	2,534,850	1,027,998	2,605,820.0	9,556,785	2.80	3.77
38. BAYSIDE #3	56	150	0.4	98.6	89.3	12,467	GAS	1,820	1,027,473	1,870.0	6,862	4.57	3.77
39. BAYSIDE #4	56	50	0.1	98.6	89.3	13,000	GAS	640	1,015,625	650.0	2,413	4.83	3.77
40. BAYSIDE #5	56	470	1.2	98.6	93.3	12,149	GAS	5,560	1,026,978	5,710.0	20,962	4.46	3.77
41. BAYSIDE #6	56	260	0.6	98.6	92.9	12,038	GAS	3,040	1,029,605	3,130.0	11,461	4.41	3.77
42. BAYSIDE TOTAL	1,854	676,360	50.7	93.2	60.9	7,508	GAS	4,940,140	1,027,995	5,078,440.0	18,625,108	2.75	3.77
43. SYSTEM	4,338	1,633,380	52.3	82.2	78.3	8,735	-	-	-	14,267,290.0	49,337,895	3.02	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.

<sup>(3)</sup> City of Tampa on long term reserve standby.

<sup>(5)</sup> Commercial operation scheduled for November 2016

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.

<sup>(4)</sup> AC rating

<sup>(6)</sup> Commercial operation scheduled for January 2017

TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: OCTOBER 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	<sup>(5)</sup> 0.0	0	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	145,490	-	-	-	10,513	COAL	64,400	23,750,000	1,529,500.0	5,171,052	3.55	80.30
6. TOTAL BIG BEND #1	385	145,490	50.8	76.4	90.6	10,513	-	-	-	1,529,500.0	5,171,052	3.55	-
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	14,720	-	-	-	10,339	COAL	6,530	23,306,279	152,190.0	524,332	3.56	80.30
9. TOTAL BIG BEND #2	385	14,720	5.1	85.0	86.9	10,339	-	-	-	152,190.0	524,332	3.56	-
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	158,900	-	-	-	10,343	COAL	71,460	22,998,880	1,643,500.0	5,737,938	3.61	80.30
12. TOTAL BIG BEND #3	395	158,900	54.1	57.2	85.6	10,343	-	-	-	1,643,500.0	5,737,938	3.61	-
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	214,550	-	-	-	10,413	COAL	97,130	23,000,515	2,234,040.0	7,802,316	3.64	80.33
15. TOTAL BIG BEND #4	437	214,550	66.0	73.7	82.4	10,413	-	-	-	2,234,040.0	7,802,316	3.64	-
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	16,690	-	17,160.0	72,435	-	4.34
17. BIG BEND 1-4 COAL TOTAL	1,602	533,660	44.8	73.0	85.6	10,417	COAL	239,520	23,209,878	5,559,230.0	19,235,638	3.60	80.31
18. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	56	390	0.9	-	99.5	11,846	GAS	4,500	1,026,667	4,620.0	19,530	5.01	4.34
20. B.B.C.T.#4 TOTAL	56	390	0.9	98.2	99.5	11,846	-	-	-	4,620.0	19,530	5.01	-
21. BIG BEND STATION TOTAL	1,658	534,050	43.3	73.8	85.6	10,418	-	-	-	5,563,850.0	19,327,603	3.62	-
22. POLK #1 GASIFIER	220	142,090	86.8	-	97.4	10,204	COAL	52,860	27,429,436	1,449,920.0	3,020,419	2.13	57.14
23. POLK #1 CT GAS	195	1,100	0.8	-	94.0	8,482	GAS	10,830	861,496	9,330.0	39,407	3.58	3.64
24. POLK #1 TOTAL	220	143,190	87.5	82.5	97.4	10,191	-	-	-	1,459,250.0	3,059,826	2.14	-
25. POLK #2 CT GAS	151	600	0.5	-	99.3	11,383	GAS	6,650	1,027,068	6,830.0	28,861	4.81	4.34
26. POLK #2 CC GAS-Testing <sup>(6)</sup>	-	97,650	-	-	-	6,807	GAS	646,570	1,027,994	664,670.0	2,806,118	2.87	4.34
27. POLK #2 CT OIL	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,054	22.78	125.27
28. POLK #2 TOTAL	151	98,360	87.6	0.0	57.3	6,839	-	-	-	672,680.0	2,860,033	2.91	-
29. POLK #3 CT GAS	151	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,055	22.78	125.28
31. POLK #3 TOTAL	151	110	0.1	95.3	17.3	10,727	-	-	-	1,180.0	25,055	22.78	-
32. POLK #4 CT GAS	151	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	151	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK STATION TOTAL	824	241,660	39.4	39.5	162.3	8,827	-	-	-	2,133,110.0	5,944,914	2.46	-
35. CITY OF TAMPA GAS <sup>(3)</sup>	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	701	382,330	73.3	91.6	75.9	7,354	GAS	2,734,980	1,028,000	2,811,560.0	11,869,830	3.10	4.34
37. BAYSIDE #2	929	382,780	55.4	93.2	57.1	7,567	GAS	2,817,740	1,027,998	2,896,630.0	12,229,008	3.19	4.34
38. BAYSIDE #3	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #4	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
40. BAYSIDE #5	56	150	0.4	98.6	89.3	12,733	GAS	1,870	1,021,390	1,910.0	8,116	5.41	4.34
41. BAYSIDE #6	56	50	0.1	98.6	89.3	12,000	GAS	590	1,016,949	600.0	2,561	5.12	4.34
42. BAYSIDE TOTAL	1,854	765,310	55.5	87.3	65.1	7,462	GAS	5,555,180	1,027,995	5,710,700.0	24,109,515	3.15	4.34
43. SYSTEM	4,338	1,541,310	47.8	73.0	74.8	8,699	-	-	-	13,407,660.0	49,382,032	3.20	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.

<sup>(3)</sup> City of Tampa on long term reserve standby.

<sup>(5)</sup> Commercial operation scheduled for November 2016

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.

<sup>(4)</sup> AC rating

<sup>(6)</sup> Commercial operation scheduled for January 2017



TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: NOVEMBER 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	270	23.4	-	23.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	170	15.7	-	15.7	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 3.1	440	19.7	-	19.7	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	56,880	-	-	-	10,601	COAL	25,390	23,748,720	602,980.0	1,912,332	3.36	75.32
6. TOTAL BIG BEND #1	385	56,880	20.5	76.4	86.9	10,601	-	-	-	602,980.0	1,912,332	3.36	-
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	73,120	-	-	-	10,365	COAL	32,530	23,298,186	757,890.0	2,450,099	3.35	75.32
9. TOTAL BIG BEND #2	385	73,120	26.4	85.0	83.3	10,365	-	-	-	757,890.0	2,450,099	3.35	-
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	191,210	-	-	-	10,390	COAL	86,380	22,999,305	1,986,680.0	6,505,988	3.40	75.32
12. TOTAL BIG BEND #3	395	191,210	67.2	84.4	81.9	10,390	-	-	-	1,986,680.0	6,505,988	3.40	-
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	189,400	-	-	-	10,357	COAL	85,280	23,001,290	1,961,550.0	6,432,969	3.40	75.43
15. TOTAL BIG BEND #4	437	189,400	60.2	62.5	90.1	10,357	-	-	-	1,961,550.0	6,432,969	3.40	-
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	25,880	-	26,600.0	84,904	-	3.28
17. BIG BEND 1-4 COAL TOTAL	1,602	510,610	44.3	76.6	85.5	10,398	COAL	229,580	23,125,272	5,309,100.0	17,301,388	3.39	75.36
18. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	56	560	1.4	-	90.9	11,911	GAS	6,490	1,027,735	6,670.0	21,291	3.80	3.28
20. B.B.C.T.#4 TOTAL	56	560	1.4	98.2	90.9	11,911	-	-	-	6,670.0	21,291	3.80	-
21. BIG BEND STATION TOTAL	1,658	511,170	42.8	77.4	85.6	10,399	-	-	-	5,315,770.0	17,407,583	3.41	-
22. POLK #1 GASIFIER	220	105,430	66.6	-	97.4	10,243	COAL	39,230	27,526,638	1,079,870.0	2,290,993	2.17	58.40
23. POLK #1 CT GAS	195	5,040	3.6	-	95.7	8,337	GAS	46,130	910,904	42,020.0	134,113	2.66	2.91
24. POLK #1 TOTAL	220	110,470	69.7	68.7	97.3	10,156	-	-	-	1,121,890.0	2,425,106	2.20	-
25. POLK #2 CT GAS	151	0	0.0	-	0.0	0	GAS	0	0	0.0	1	0.00	0.00
26. POLK #2 CC GAS-Testing <sup>(5)</sup>	-	237,720	-	-	-	6,747	GAS	1,560,250	1,028,002	1,603,940.0	5,118,628	2.15	3.28
27. POLK #2 CT OIL	159	140	0.1	-	17.6	10,857	LGT OIL	260	5,846,154	1,520.0	32,424	23.16	124.71
28. POLK #2 TOTAL	151	237,860	218.8	81.0	17.6	6,750	-	-	-	1,605,460.0	5,151,053	2.17	-
29. POLK #3 CT GAS	151	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,189	23.81	124.71
31. POLK #3 TOTAL	151	110	0.1	12.7	17.3	11,091	-	-	-	1,220.0	26,189	23.81	-
32. POLK #4 CT GAS	151	600	0.6	60.6	99.3	11,383	GAS	6,650	1,027,068	6,830.0	21,816	3.64	3.28
33. POLK #5 CT GAS	151	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK STATION TOTAL	824	349,040	58.8	46.6	302.1	7,837	-	-	-	2,735,400.0	7,624,164	2.18	-
35. CITY OF TAMPA GAS <sup>(3)</sup>	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	701	164,650	32.6	61.0	60.4	7,475	GAS	1,197,180	1,027,999	1,230,700.0	3,927,524	2.39	3.28
37. BAYSIDE #2	929	232,630	34.8	79.2	35.8	7,960	GAS	1,801,280	1,028,002	1,851,720.0	5,909,362	2.54	3.28
38. BAYSIDE #3	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #4	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
40. BAYSIDE #5	56	180	0.4	98.6	80.4	12,944	GAS	2,270	1,026,432	2,330.0	7,447	4.14	3.28
41. BAYSIDE #6	56	50	0.1	98.6	89.3	11,200	GAS	540	1,037,037	560.0	1,772	3.54	3.28
42. BAYSIDE TOTAL	1,854	397,510	29.8	68.7	43.1	7,762	GAS	3,001,270	1,028,001	3,085,310.0	9,846,105	2.48	3.28
43. SYSTEM	4,339	1,258,160	40.3	67.8	72.1	8,851	-	-	-	11,136,480.0	34,877,852	2.77	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.  
<sup>(3)</sup> City of Tampa on long term reserve standby.  
<sup>(5)</sup> Commercial operation scheduled for January 2017

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.  
<sup>(4)</sup> AC rating

TAMPA ELECTRIC COMPANY  
SYSTEM NET GENERATION AND FUEL COST  
ESTIMATED FOR THE PERIOD: DECEMBER 2016

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) <sup>(2)</sup>	AS BURNED FUEL COST (\$) <sup>(1)</sup>	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	260	21.8	-	21.8	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	150	13.4	-	13.4	-	SOLAR	-	-	-	-	-	-
3. TOTAL SOLAR	<sup>(4)</sup> 3.1	410	17.8	-	17.8	-	SOLAR	-	-	-	-	-	-
4. B.B.#1 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
5. B.B.#1 COAL	-	158,580	-	-	-	10,536	COAL	70,350	23,749,112	1,670,750.0	5,669,520	3.58	80.59
6. TOTAL BIG BEND #1	395	158,580	54.0	51.7	81.9	10,536	-	-	-	1,670,750.0	5,669,520	3.58	-
7. B.B.#2 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
8. B.B.#2 COAL	-	179,860	-	-	-	10,315	COAL	79,630	23,299,008	1,855,300.0	6,417,398	3.57	80.59
9. TOTAL BIG BEND #2	395	179,860	61.2	57.6	83.2	10,315	-	-	-	1,855,300.0	6,417,398	3.57	-
10. B.B.#3 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
11. B.B.#3 COAL	-	190,830	-	-	-	10,410	COAL	86,370	23,000,232	1,986,530.0	6,960,575	3.65	80.59
12. TOTAL BIG BEND #3	400	190,830	64.1	84.4	76.7	10,410	-	-	-	1,986,530.0	6,960,575	3.65	-
13. B.B.#4 NAT GAS CO-FIRE	-	0	-	-	-	0	NG CO-FIRE	0	0	0.0	0	0.00	0.00
14. B.B.#4 COAL	-	22,020	-	-	-	10,539	COAL	10,090	23,000,000	232,070.0	816,612	3.71	80.93
15. TOTAL BIG BEND #4	442	22,020	6.7	81.6	75.5	10,539	-	-	-	232,070.0	816,612	3.71	-
16. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	18,770	-	19,310.0	64,261	-	3.42
17. BIG BEND 1-4 COAL TOTAL	1,632	551,290	45.4	69.2	80.2	10,420	COAL	246,440	23,310,542	5,744,650.0	19,864,105	3.60	80.60
18. B.B.C.T.#4 OIL	61	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
19. B.B.C.T.#4 GAS	61	2,250	5.0	-	75.3	12,378	GAS	27,080	1,028,434	27,850.0	92,710	4.12	3.42
20. B.B.C.T.#4 TOTAL	61	2,250	5.0	98.2	75.3	12,378	-	-	-	27,850.0	92,710	4.12	-
21. BIG BEND STATION TOTAL	1,693	553,540	43.9	70.3	80.2	10,428	-	-	-	5,772,500.0	20,021,076	3.62	-
22. POLK #1 GASIFIER	220	141,870	86.7	-	97.3	10,222	COAL	52,810	27,459,951	1,450,160.0	3,109,117	2.19	58.87
23. POLK #1 CT GAS	195	2,670	1.8	-	85.6	8,247	GAS	24,930	883,273	22,020.0	73,367	2.75	2.94
24. POLK #1 TOTAL	220	144,540	88.3	82.5	97.0	10,185	-	-	-	1,472,180.0	3,182,484	2.20	-
25. POLK #2 CT GAS	183	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
26. POLK #2 CC GAS-Testing <sup>(5)</sup>	-	272,770	-	-	-	6,767	GAS	1,795,610	1,028,002	1,845,890.0	6,147,413	2.25	3.42
27. POLK #2 CT OIL	187	110	0.1	-	14.7	10,364	LGT OIL	200	5,700,000	1,140.0	24,837	22.58	124.19
28. POLK #2 TOTAL	183	272,880	200.4	72.4	14.7	6,769	-	-	-	1,847,030.0	6,172,250	2.26	-
29. POLK #3 CT GAS	183	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	187	130	0.1	-	13.9	11,077	LGT OIL	250	5,760,000	1,440.0	31,045	23.88	124.18
31. POLK #3 TOTAL	183	130	0.1	61.5	13.9	11,077	-	-	-	1,440.0	31,045	23.88	-
32. POLK #4 CT GAS	183	3,680	2.7	95.7	83.8	11,313	GAS	40,500	1,027,901	41,630.0	138,655	3.77	3.42
33. POLK #5 CT GAS	183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK STATION TOTAL	952	421,230	59.5	63.2	271.7	7,982	-	-	-	3,362,280.0	9,524,434	2.26	-
35. CITY OF TAMPA GAS <sup>(3)</sup>	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
36. BAYSIDE #1	792	314,100	53.3	91.6	54.7	7,365	GAS	2,250,420	1,027,999	2,313,430.0	7,704,492	2.45	3.42
37. BAYSIDE #2	1,047	132,950	17.1	75.2	24.8	8,167	GAS	1,056,280	1,027,985	1,085,840.0	3,616,258	2.72	3.42
38. BAYSIDE #3	61	580	1.3	98.6	95.1	11,810	GAS	6,660	1,028,529	6,850.0	22,801	3.93	3.42
39. BAYSIDE #4	61	470	1.0	98.6	96.3	11,915	GAS	5,450	1,027,523	5,600.0	18,659	3.97	3.42
40. BAYSIDE #5	61	1,590	3.5	98.6	84.1	12,082	GAS	18,690	1,027,822	19,210.0	63,987	4.02	3.42
41. BAYSIDE #6	61	1,150	2.5	98.6	89.8	11,991	GAS	13,410	1,028,337	13,790.0	45,910	3.99	3.42
42. BAYSIDE TOTAL	2,083	450,840	29.1	84.2	40.4	7,641	GAS	3,350,910	1,027,995	3,444,720.0	11,472,107	2.54	3.42
43. SYSTEM	4,731	1,426,020	40.5	74.9	68.1	8,821	-	-	-	12,579,500.0	41,017,617	2.88	-

LEGEND:  
B.B. = BIG BEND NG = NATURAL GAS  
C.T. = COMBUSTION TURBINE

<sup>(1)</sup> As burned fuel cost system total includes ignition.  
<sup>(3)</sup> City of Tampa on long term reserve standby.  
<sup>(5)</sup> Commercial operation scheduled for January 2017

<sup>(2)</sup> Fuel burned (MM BTU) system total excludes ignition.  
<sup>(4)</sup> AC rating

TAMPA ELECTRIC COMPANY  
 SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS  
 ACTUAL FOR THE PERIOD: JANUARY 2016 THROUGH JUNE 2016

SCHEDULE E5

	ACTUAL					
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
<b>HEAVY OIL</b>						
1. PURCHASES:						
2. UNITS (BBL)	0	0	0	0	0	0
3. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT (\$)	0	0	0	0	0	0
5. BURNED:						
6. UNITS (BBL)	0	0	0	0	0	0
7. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT (\$)	0	0	0	0	0	0
9. ENDING INVENTORY:						
10. UNITS (BBL)	0	0	0	0	0	0
11. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT (\$)	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0
<b>LIGHT OIL</b>						
14. PURCHASES:						
15. UNITS (BBL)	0	0	0	0	-25,672	0
16. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	56.98	0.00
17. AMOUNT (\$)	0	0	0	0	-1,462,845	-1,757
18. BURNED:						
19. UNITS (BBL)	65	415	0	52	0	0
20. UNIT COST (\$/BBL)	127.62	127.43	0.00	127.67	0.00	0.00
21. AMOUNT (\$)	8,295	52,885	0	6,639	1,822,960	-1,757
22. ENDING INVENTORY:						
23. UNITS (BBL)	72,029	71,335	71,000	70,569	44,488	44,488
24. UNIT COST (\$/BBL)	127.78	127.78	127.78	127.78	127.48	127.48
25. AMOUNT (\$)	9,203,985	9,115,198	9,072,297	9,017,047	5,671,463	5,671,463
26. DAYS SUPPLY: NORMAL	4,171	4,517	4,917	5,527	3,894	4,389
27. DAYS SUPPLY: EMERGENCY	10	10	10	10	6	6
<b>COAL</b>						
28. PURCHASES:						
29. UNITS (TONS)	303,664	112,618	249,385	140,628	238,574	171,505
30. UNIT COST (\$/TON)	77.33	81.00	76.06	76.65	72.16	82.58
31. AMOUNT (\$)	23,483,660	9,122,104	18,968,358	10,779,062	17,215,446	14,162,917
32. BURNED:						
33. UNITS (TONS)	237,150	157,333	163,665	122,290	288,391	312,703
34. UNIT COST (\$/TON)	74.36	87.21	81.65	84.42	89.75	82.58
35. AMOUNT (\$)	17,634,085	13,721,127	13,363,297	10,323,782	25,882,809	25,822,614
36. ENDING INVENTORY:						
37. UNITS (TONS)	579,096	534,381	620,101	638,439	588,622	447,424
38. UNIT COST (\$/TON)	77.35	79.85	80.49	81.05	75.93	74.57
39. AMOUNT (\$)	44,794,062	42,668,639	49,913,276	51,745,485	44,695,175	33,362,242
40. DAYS SUPPLY:	54	67	87	84	65	42
<b>NATURAL GAS</b>						
41. PURCHASES:						
42. UNITS (MCF)	6,729,128	6,654,087	7,742,291	8,763,433	6,062,885	6,995,505
43. UNIT COST (\$/MCF)	3.82	3.69	3.21	3.27	3.96	3.81
44. AMOUNT (\$)	25,725,325	24,521,737	24,865,431	28,659,860	24,033,004	26,685,250
45. BURNED:						
46. UNITS (MCF)	6,971,622	6,475,412	7,727,814	8,687,853	5,997,292	7,000,177
47. UNIT COST (\$/MCF)	3.75	3.70	3.21	3.27	3.97	3.77
48. AMOUNT (\$)	26,171,136	23,962,511	24,799,289	28,444,096	23,823,630	26,365,564
49. ENDING INVENTORY:						
50. UNITS (MCF)	676,046	854,721	869,198	944,778	1,010,371	1,005,699
51. UNIT COST (\$/MCF)	2.53	2.44	2.37	2.30	2.25	2.29
52. AMOUNT (\$)	1,712,009	2,082,005	2,057,879	2,176,912	2,275,747	2,304,588
53. DAYS SUPPLY:	3	4	4	5	5	5
<b>NUCLEAR</b>						
54. BURNED:						
55. UNITS (MMBTU)	0	0	0	0	0	0
56. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT (\$)	0	0	0	0	0	0
<b>OTHER</b>						
58. PURCHASES:						
59. UNITS (MMBTU)	0	0	0	0	0	0
60. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT (\$)	0	0	0	0	0	0
62. BURNED:						
63. UNITS (MMBTU)	0	0	0	0	0	0
64. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT (\$)	0	0	0	0	0	0
66. ENDING INVENTORY:						
67. UNITS (MMBTU)	0	0	0	0	0	0
68. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT (\$)	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING  
 (1) LIGHT OIL-IGNITION, OTHER USAGE, AND ANALYSIS (2) COAL-IGNITION, ADDITIVES, ANALYSIS, AND INVENTORY ADJUSTMENTS (3) GAS-IGNITION AND ADDITIVES

TAMPA ELECTRIC COMPANY  
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS  
ESTIMATED FOR THE PERIOD: JULY 2016 THROUGH DECEMBER 2016

SCHEDULE E5

	Jul-16	Aug-16	Estimated Sep-16	Oct-16	Nov-16	Dec-16	TOTAL
<b>HEAVY OIL</b>							
1. PURCHASES:							
2. UNITS (BBL)							
3. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT (\$)	0	0	0	0	0	0	0
5. BURNED:							
6. UNITS (BBL)	0	0	0	0	0	0	0
7. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT (\$)	0	0	0	0	0	0	0
9. ENDING INVENTORY:							
10. UNITS (BBL)	0	0	0	0	0	0	0
11. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT (\$)	0	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0	-
<b>LIGHT OIL</b>							
14. PURCHASES:							
15. UNITS (BBL)	400	520	420	400	470	450	-23,012
16. UNIT COST (\$/BBL)	68.57	69.14	69.90	70.69	71.47	72.16	55.52
17. AMOUNT (\$)	27,429	35,951	29,356	28,274	33,591	32,470	-1,277,531
18. BURNED:							
19. UNITS (BBL)	400	520	420	400	470	450	3,192
20. UNIT COST (\$/BBL)	126.96	126.29	125.76	125.27	124.71	124.18	696.40
21. AMOUNT (\$)	50,783	65,671	52,820	50,109	58,613	55,882	2,222,900
22. ENDING INVENTORY:							
23. UNITS (BBL)	44,488	44,488	44,488	44,488	44,488	44,488	44,488
24. UNIT COST (\$/BBL)	126.96	126.29	125.76	125.27	124.71	124.18	124.18
25. AMOUNT (\$)	5,648,109	5,618,389	5,594,925	5,573,090	5,548,068	5,524,656	5,524,656
26. DAYS SUPPLY: NORMAL	3,030	3,030	3,030	3,030	2,963	2,990	-
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6	
<b>COAL</b>							
28. PURCHASES:							
29. UNITS (TONS)	336,000	436,000	346,000	346,000	231,000	264,374	3,175,748
30. UNIT COST (\$/TON)	73.69	72.36	74.32	74.66	72.79	75.22	75.03
31. AMOUNT (\$)	24,760,936	31,550,730	25,714,613	25,831,313	16,814,325	19,885,177	238,288,641
32. BURNED:							
33. UNITS (TONS)	394,810	391,510	322,250	292,380	268,810	299,250	3,250,542
34. UNIT COST (\$/TON)	77.82	79.53	78.46	76.37	73.20	76.98	79.66
35. AMOUNT (\$)	30,722,489	31,137,807	25,283,910	22,328,492	19,677,285	23,037,483	258,935,180
36. ENDING INVENTORY:							
37. UNITS (TONS)	427,263	471,753	495,503	549,123	511,313	476,437	476,437
38. UNIT COST (\$/TON)	70.82	65.44	63.57	64.07	63.69	62.09	62.09
39. AMOUNT (\$)	30,256,921	30,873,840	31,499,029	35,180,904	32,563,305	29,582,477	29,582,477
40. DAYS SUPPLY:	35	43	51	59	52	48	-
<b>NATURAL GAS</b>							
41. PURCHASES:							
42. UNITS (MCF)	6,102,475	6,237,980	6,391,620	6,240,420	4,354,841	5,257,800	77,532,465
43. UNIT COST (\$/MCF)	4.90	3.89	3.77	4.35	3.33	3.46	3.77
44. AMOUNT (\$)	29,901,853	24,289,190	24,091,417	27,127,141	14,493,361	18,214,336	292,607,905
45. BURNED:							
46. UNITS (MCF)	5,940,860	6,237,980	6,391,620	6,240,420	4,646,670	5,257,800	77,575,520
47. UNIT COST (\$/MCF)	4.81	3.89	3.76	4.33	3.26	3.41	3.74
48. AMOUNT (\$)	28,582,681	24,263,108	24,001,165	27,003,431	15,141,954	17,924,252	290,482,817
49. ENDING INVENTORY:							
50. UNITS (MCF)	1,167,316	1,167,316	1,167,316	1,167,316	875,486	875,486	875,486
51. UNIT COST (\$/MCF)	3.00	2.97	2.96	3.00	3.14	3.38	3.38
52. AMOUNT (\$)	3,500,400	3,462,720	3,456,720	3,500,400	2,749,680	2,963,520	2,963,520
53. DAYS SUPPLY:	6	6	6	6	4	4	-
<b>NUCLEAR</b>							
54. BURNED:							
55. UNITS (MMBTU)	0	0	0	0	0	0	0
56. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT (\$)	0	0	0	0	0	0	0
<b>OTHER</b>							
58. PURCHASES:							
59. UNITS (MMBTU)	0	0	0	0	0	0	0
60. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT (\$)	0	0	0	0	0	0	0
62. BURNED:							
63. UNITS (MMBTU)	0	0	0	0	0	0	0
64. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT (\$)	0	0	0	0	0	0	0
66. ENDING INVENTORY:							
67. UNITS (MMBTU)	0	0	0	0	0	0	0
68. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT (\$)	0	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0	

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING  
(1) LIGHT OIL-IGNITION AND ANALYSIS (2) COAL-IGNITION, ADDITIVES, ANALYSIS, AND INVENTORY ADJUSTMENTS (3) GAS-IGNITION

TAMPA ELECTRIC COMPANY  
 POWER SOLD  
 ACTUAL FOR THE PERIOD: JANUARY 2016 THROUGH JUNE 2016

SCHEDULE E6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
MONTH	SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH		CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST	GAINS ON MARKET BASED SALES	
				WHEELED	FROM	MWH	(A)				(B)
				OTHER	FROM OWN	FUEL	TOTAL				
<b>ACTUAL</b>											
Jan-16	SEMINOLE	JURISD.	SCH. - D	287.3	0.0	287.3	1.869	2.138	5,370.05	6,141.23	234.17
	VARIOUS	JURISD.	SCH. - C	50.0	0.0	50.0	1.740	2.542	870.00	1,271.00	304.50
	VARIOUS	JURISD.	SCH. - CB	30,149.0	0.0	30,149.0	1.944	2.406	586,099.98	725,321.62	68,228.47
	VARIOUS	JURISD.	SCH. - MA	4,300.0	0.0	4,300.0	2.048	2.861	88,083.60	123,022.03	23,559.01
	<b>TOTAL</b>			<b>34,786.3</b>	<b>0.0</b>	<b>34,786.3</b>	<b>1.956</b>	<b>2.460</b>	<b>680,423.63</b>	<b>855,755.88</b>	<b>92,326.15</b>
<b>ACTUAL</b>											
Feb-16	SEMINOLE	JURISD.	SCH. - D	342.5	0.0	342.5	2.129	2.274	7,292.85	7,787.97	302.29
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	7,220.0	0.0	7,220.0	2.094	2.482	151,171.08	179,213.00	12,004.68
	VARIOUS	JURISD.	SCH. - MA	486.0	0.0	486.0	1.250	1.824	6,076.81	8,862.64	1,617.33
	<b>TOTAL</b>			<b>8,048.5</b>	<b>0.0</b>	<b>8,048.5</b>	<b>2.044</b>	<b>2.434</b>	<b>164,540.74</b>	<b>195,863.61</b>	<b>13,924.30</b>
<b>ACTUAL</b>											
Mar-16	SEMINOLE	JURISD.	SCH. - D	477.0	0.0	477.0	1.929	2.122	9,200.77	10,120.85	257.78
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	6,109.0	0.0	6,109.0	1.997	2.369	121,983.05	144,752.08	13,155.35
	VARIOUS	JURISD.	SCH. - MA	131.0	0.0	131.0	3.030	3.426	3,968.72	4,488.36	509.08
	<b>TOTAL</b>			<b>6,717.0</b>	<b>0.0</b>	<b>6,717.0</b>	<b>2.012</b>	<b>2.373</b>	<b>135,152.54</b>	<b>159,361.29</b>	<b>13,922.21</b>
<b>ACTUAL</b>											
Apr-16	SEMINOLE	JURISD.	SCH. - D	499.9	0.0	499.9	1.748	1.923	8,737.06	9,610.77	383.58
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	11,079.0	0.0	11,079.0	1.817	2.199	201,332.23	243,676.97	20,741.92
	VARIOUS	JURISD.	SCH. - MA	400.0	0.0	400.0	1.611	2.282	6,442.55	9,126.55	1,837.40
	<b>TOTAL</b>			<b>11,978.9</b>	<b>0.0</b>	<b>11,978.9</b>	<b>1.807</b>	<b>2.191</b>	<b>216,511.84</b>	<b>262,414.29</b>	<b>22,962.90</b>
<b>ACTUAL</b>											
May-16	SEMINOLE	JURISD.	SCH. - D	569.2	0.0	569.2	1.777	1.955	10,115.57	11,127.13	244.13
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	338.0	0.0	338.0	1.970	2.364	6,657.47	7,990.21	723.35
	VARIOUS	JURISD.	SCH. - MA	4,070.0	0.0	4,070.0	2.062	3.202	83,917.81	130,330.69	39,184.72
	<b>TOTAL</b>			<b>4,977.2</b>	<b>0.0</b>	<b>4,977.2</b>	<b>2.023</b>	<b>3.003</b>	<b>100,690.85</b>	<b>149,448.03</b>	<b>40,152.20</b>
<b>ACTUAL</b>											
Jun-16	SEMINOLE	JURISD.	SCH. - D	377.0	0.0	377.0	1.953	2.148	7,362.42	8,098.66	367.07
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	1,461.0	0.0	1,461.0	2.641	3.159	38,581.30	46,158.93	4,047.44
	VARIOUS	JURISD.	SCH. - MA	1,310.0	0.0	1,310.0	1.993	2.863	26,105.59	37,506.31	8,601.56
	<b>TOTAL</b>			<b>3,148.0</b>	<b>0.0</b>	<b>3,148.0</b>	<b>2.289</b>	<b>2.915</b>	<b>72,049.31</b>	<b>91,763.90</b>	<b>13,016.07</b>

TAMPA ELECTRIC COMPANY  
POWER SOLD  
ESTIMATED FOR THE PERIOD: JULY 2016 THROUGH DECEMBER 2016

SCHEDULE E6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
MONTH	SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH		CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST	GAINS ON MARKET BASED SALES	
				WHEELED FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST				
<b>ESTIMATED</b>											
<b>Jul-16</b>	SEMINOLE	JURISD.	SCH. - D	1,020.0	0.0	1,020.0	2.591	2.691	26,430.00	27,447.00	1,017.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	950.0	0.0	950.0	2.927	3.220	27,806.31	30,590.00	2,783.69
	<b>TOTAL</b>			<b>1,970.0</b>	<b>0.0</b>	<b>1,970.0</b>	<b>2.753</b>	<b>2.946</b>	<b>54,236.31</b>	<b>58,037.00</b>	<b>3,800.69</b>
<b>ESTIMATED</b>											
<b>Aug-16</b>	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.639	2.740	26,650.00	27,676.00	1,026.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	1,130.0	0.0	1,130.0	2.671	2.938	30,178.80	33,200.00	3,021.20
	<b>TOTAL</b>			<b>2,140.0</b>	<b>0.0</b>	<b>2,140.0</b>	<b>2.656</b>	<b>2.845</b>	<b>56,828.80</b>	<b>60,876.00</b>	<b>4,047.20</b>
<b>ESTIMATED</b>											
<b>Sep-16</b>	SEMINOLE	JURISD.	SCH. - D	990.0	0.0	990.0	2.523	2.620	24,980.00	25,942.00	962.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	930.0	0.0	930.0	2.731	3.004	25,397.46	27,940.00	2,542.54
	<b>TOTAL</b>			<b>1,920.0</b>	<b>0.0</b>	<b>1,920.0</b>	<b>2.624</b>	<b>2.806</b>	<b>50,377.46</b>	<b>53,882.00</b>	<b>3,504.54</b>
<b>ESTIMATED</b>											
<b>Oct-16</b>	SEMINOLE	JURISD.	SCH. - D	730.0	0.0	730.0	2.601	2.702	18,990.00	19,721.00	731.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	900.0	0.0	900.0	2.733	3.007	24,597.54	27,060.00	2,462.46
	<b>TOTAL</b>			<b>1,630.0</b>	<b>0.0</b>	<b>1,630.0</b>	<b>2.674</b>	<b>2.870</b>	<b>43,587.54</b>	<b>46,781.00</b>	<b>3,193.46</b>
<b>ESTIMATED</b>											
<b>Nov-16</b>	SEMINOLE	JURISD.	SCH. - D	660.0	0.0	660.0	2.561	2.659	16,900.00	17,551.00	651.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	1,050.0	0.0	1,050.0	2.330	2.563	24,461.19	26,910.00	2,448.81
	<b>TOTAL</b>			<b>1,710.0</b>	<b>0.0</b>	<b>1,710.0</b>	<b>2.419</b>	<b>2.600</b>	<b>41,361.19</b>	<b>44,461.00</b>	<b>3,099.81</b>
<b>ESTIMATED</b>											
<b>Dec-16</b>	SEMINOLE	JURISD.	SCH. - D	580.0	0.0	580.0	2.667	2.770	15,470.00	16,065.00	595.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	2,090.0	0.0	2,090.0	1.155	1.271	24,143.04	26,560.00	2,416.96
	<b>TOTAL</b>			<b>2,670.0</b>	<b>0.0</b>	<b>2,670.0</b>	<b>1.484</b>	<b>1.596</b>	<b>39,613.04</b>	<b>42,625.00</b>	<b>3,011.96</b>
<b>TOTAL</b>	SEMINOLE	JURISD.	SCH. - D	7,542.9	0.0	7,542.9	2.353	2.483	177,498.72	187,288.61	6,771.02
<b>Jan-16</b>	VARIOUS	JURISD.	SCH. - C	50.0	0.0	50.0	1.740	2.542	870.00	1,271.00	304.50
<b>THRU</b>	VARIOUS	JURISD.	SCH. - CB	56,356.0	0.0	56,356.0	1.962	2.390	1,105,825.11	1,347,112.81	118,901.21
<b>Dec-16</b>	VARIOUS	JURISD.	SCH. - MA	17,747.0	0.0	17,747.0	2.092	2.736	371,179.42	485,596.58	90,984.76
	<b>TOTAL</b>			<b>81,695.9</b>	<b>0.0</b>	<b>81,695.9</b>	<b>2.026</b>	<b>2.474</b>	<b>1,655,373.25</b>	<b>2,021,269.00</b>	<b>216,961.49</b>

TAMPA ELECTRIC COMPANY  
 PURCHASED POWER  
 (EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)  
 ACTUAL FOR THE PERIOD: JANUARY 2016 THROUGH JUNE 2016

SCHEDULE E7

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR OTHER UTILITIES	(6) MWH FOR INTERRUPTIBLE	(7) MWH FOR FIRM	(8) CENTS/KWH		(9) TOTAL \$ FOR FUEL ADJUSTMENT
							(A) FUEL COST	(B) TOTAL COST	
<b>ACTUAL</b>									
<b>Jan-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	702,747.97
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	(6,187.09)
	PASCO COGEN	SCH. - D	7,733.0	0.0	0.0	7,733.0	4.089	4.089	316,177.52
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	635.0	0.0	0.0	635.0	1.866	1.866	11,848.18
	<b>TOTAL</b>		<b>8,368.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8,368.0</b>	<b>12.244</b>	<b>12.244</b>	<b>1,024,586.58</b>
<b>ACTUAL</b>									
<b>Feb-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	3,348.0	0.0	0.0	3,348.0	3.553	3.553	118,951.50
	DUKE ENERGY	SCH. - D	171,160.0	0.0	0.0	171,160.0	1.692	1.692	2,896,486.40
	VARIOUS	OATT	1,349.0	0.0	0.0	1,349.0	2.141	2.141	28,880.68
	<b>TOTAL</b>		<b>175,857.0</b>	<b>0.0</b>	<b>0.0</b>	<b>175,857.0</b>	<b>1.731</b>	<b>1.731</b>	<b>3,044,318.58</b>
<b>ACTUAL</b>									
<b>Mar-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	11,313.0	0.0	0.0	11,313.0	3.295	3.295	372,736.79
	DUKE ENERGY	SCH. - D	160,950.0	0.0	0.0	160,950.0	1.527	1.527	2,458,092.20
	VARIOUS	OATT	1,306.0	0.0	0.0	1,306.0	2.109	2.109	27,545.26
	<b>TOTAL</b>		<b>173,569.0</b>	<b>0.0</b>	<b>0.0</b>	<b>173,569.0</b>	<b>1.647</b>	<b>1.647</b>	<b>2,858,374.25</b>
<b>ACTUAL</b>									
<b>Apr-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	1,755.0	0.0	0.0	1,755.0	4.451	4.451	78,110.97
	PASCO COGEN	SCH. - D	11,647.0	0.0	0.0	11,647.0	3.513	3.513	409,117.83
	DUKE ENERGY	SCH. - D	116,360.0	0.0	0.0	116,360.0	1.772	1.772	2,062,121.70
	VARIOUS	OATT	38.0	0.0	0.0	38.0	5.869	5.869	2,230.31
	<b>TOTAL</b>		<b>129,800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>129,800.0</b>	<b>1.966</b>	<b>1.966</b>	<b>2,551,580.81</b>
<b>ACTUAL</b>									
<b>May-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	18,536.0	0.0	0.0	18,536.0	3.545	3.545	657,047.85
	DUKE ENERGY	SCH. - D	163,120.0	0.0	0.0	163,120.0	1.601	1.601	2,611,946.39
	EXGEN	SCH. - JCBO	76,798.0	0.0	0.0	76,798.0	1.707	1.707	1,311,105.56
	FPL	SCH. - JCBO	49,955.0	0.0	0.0	49,955.0	1.825	1.825	911,541.50
	VARIOUS	OATT	979.0	0.0	0.0	979.0	1.944	1.944	19,036.29
	<b>TOTAL</b>		<b>309,388.0</b>	<b>0.0</b>	<b>0.0</b>	<b>309,388.0</b>	<b>1.781</b>	<b>1.781</b>	<b>5,510,677.59</b>
<b>ACTUAL</b>									
<b>Jun-16</b>									
	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	4,329.0	0.0	0.0	4,329.0	5.825	5.825	252,169.32
	PASCO COGEN	SCH. - D	26,364.0	0.0	0.0	26,364.0	4.309	4.309	1,136,009.08
	DUKE ENERGY	SCH. - D	169,419.0	0.0	0.0	169,419.0	2.037	2.037	3,451,780.41
	EXGEN	SCH. - JCBO	78,525.0	0.0	0.0	78,525.0	2.160	2.160	1,695,943.85
	FPL	SCH. - JCBO	29,880.0	0.0	0.0	29,880.0	2.323	2.323	694,065.30
	VARIOUS	OATT	925.0	0.0	0.0	925.0	3.186	3.186	29,474.67
	<b>TOTAL</b>		<b>309,442.0</b>	<b>0.0</b>	<b>0.0</b>	<b>309,442.0</b>	<b>2.346</b>	<b>2.346</b>	<b>7,259,442.63</b>

TAMPA ELECTRIC COMPANY  
 PURCHASED POWER  
 (EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)  
 ESTIMATED FOR THE PERIOD: JULY 2016 THROUGH DECEMBER 2016

SCHEDULE E7

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR OTHER UTILITIES	(6) MWH FOR INTERRUPTIBLE	(7) MWH FOR FIRM	(8) CENTS/KWH		(9) TOTAL \$ FOR FUEL ADJUSTMENT
							(A) FUEL COST	(B) TOTAL COST	
							ESTIMATED Jul-16	OLEANDER	
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	6,280.0	0.0	0.0	6,280.0	4.536	4.536	284,860.00
	DUKE ENERGY	SCH. - D	150,800.0	0.0	0.0	150,800.0	3.529	3.529	5,322,090.00
	EXGEN	SCH. - JCBO	40,750.0	0.0	0.0	40,750.0	2.618	2.618	1,066,650.00
	FPL	SCH. - JCBO	33,210.0	0.0	0.0	33,210.0	2.540	2.540	843,600.00
	<b>TOTAL</b>		<b>231,040.0</b>	<b>0.0</b>	<b>0.0</b>	<b>231,040.0</b>	<b>3.254</b>	<b>3.254</b>	<b>7,517,200.00</b>
ESTIMATED Aug-16	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	650.0	0.0	0.0	650.0	5.886	5.886	38,260.00
	PASCO COGEN	SCH. - D	6,030.0	0.0	0.0	6,030.0	3.777	3.777	227,760.00
	DUKE ENERGY	SCH. - D	167,680.0	0.0	0.0	167,680.0	2.878	2.878	4,825,150.00
	EXGEN	SCH. - JCBO	35,400.0	0.0	0.0	35,400.0	2.595	2.595	918,750.00
	FPL	SCH. - JCBO	31,370.0	0.0	0.0	31,370.0	2.472	2.472	775,620.00
	<b>TOTAL</b>		<b>241,130.0</b>	<b>0.0</b>	<b>0.0</b>	<b>241,130.0</b>	<b>2.814</b>	<b>2.814</b>	<b>6,785,540.00</b>
ESTIMATED Sep-16	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	3,400.0	0.0	0.0	3,400.0	3.698	3.698	125,740.00
	DUKE ENERGY	SCH. - D	159,280.0	0.0	0.0	159,280.0	2.788	2.788	4,440,330.00
	EXGEN	SCH. - JCBO	29,470.0	0.0	0.0	29,470.0	2.608	2.608	768,470.00
	FPL	SCH. - JCBO	23,230.0	0.0	0.0	23,230.0	2.482	2.482	576,520.00
	<b>TOTAL</b>		<b>215,380.0</b>	<b>0.0</b>	<b>0.0</b>	<b>215,380.0</b>	<b>2.744</b>	<b>2.744</b>	<b>5,911,060.00</b>
ESTIMATED Oct-16	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	1,960.0	0.0	0.0	1,960.0	4.168	4.168	81,690.00
	DUKE ENERGY	SCH. - D	49,880.0	0.0	0.0	49,880.0	3.216	3.216	1,604,060.00
	EXGEN	SCH. - JCBO	31,930.0	0.0	0.0	31,930.0	2.618	2.618	835,870.00
	FPL	SCH. - JCBO	15,080.0	0.0	0.0	15,080.0	2.546	2.546	383,970.00
	<b>TOTAL</b>		<b>98,850.0</b>	<b>0.0</b>	<b>0.0</b>	<b>98,850.0</b>	<b>2.939</b>	<b>2.939</b>	<b>2,905,590.00</b>
ESTIMATED Nov-16	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	PASCO COGEN	SCH. - D	1,590.0	0.0	0.0	1,590.0	3.381	3.381	53,760.00
	DUKE ENERGY	SCH. - D	60,760.0	0.0	0.0	60,760.0	2.484	2.484	1,509,540.00
	EXGEN	SCH. - JCBO	3,340.0	0.0	0.0	3,340.0	3.256	3.256	108,760.00
	FPL	SCH. - JCBO	13,300.0	0.0	0.0	13,300.0	2.556	2.556	339,940.00
	<b>TOTAL</b>		<b>78,990.0</b>	<b>0.0</b>	<b>0.0</b>	<b>78,990.0</b>	<b>2.547</b>	<b>2.547</b>	<b>2,012,000.00</b>
ESTIMATED Dec-16	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	CALPINE	SCH. - D	870.0	0.0	0.0	870.0	7.614	7.614	66,240.00
	PASCO COGEN	SCH. - D	1,900.0	0.0	0.0	1,900.0	3.438	3.438	65,330.00
	DUKE ENERGY	SCH. - D	26,580.0	0.0	0.0	26,580.0	2.829	2.829	752,050.00
	EXGEN	SCH. - JCBO	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	FPL	SCH. - JCBO	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	<b>TOTAL</b>		<b>29,350.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29,350.0</b>	<b>3.011</b>	<b>3.011</b>	<b>883,620.00</b>
<b>TOTAL Jan-16 THRU Dec-16</b>	OLEANDER	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	702,747.97
	CALPINE	SCH. - D	7,604.0	0.0	0.0	7,604.0	5.636	5.636	428,593.20
	PASCO COGEN	SCH. - D	100,101.0	0.0	0.0	100,101.0	3.845	3.845	3,849,180.57
	DUKE ENERGY	SCH. - D	1,395,989.0	0.0	0.0	1,395,989.0	2.288	2.288	31,933,647.10
	EXGEN	SCH. - JCBO	296,213.0	0.0	0.0	296,213.0	2.264	2.264	6,705,549.41
	FPL	SCH. - JCBO	196,025.0	0.0	0.0	196,025.0	2.309	2.309	4,525,256.80
	VARIOUS	OATT	5,232.0	0.0	0.0	5,232.0	2.275	2.275	119,015.39
	<b>TOTAL</b>		<b>2,001,164.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,001,164.0</b>	<b>2.412</b>	<b>2.412</b>	<b>48,263,990.44</b>



TAMPA ELECTRIC COMPANY  
 ENERGY PAYMENT TO QUALIFYING FACILITIES  
 ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016

SCHEDULE E8

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR OTHER UTILITIES	(6) MWH FOR INTERRUPTIBLE	(7) MWH FOR FIRM	(8) CENTS/KWH		(9) TOTAL \$ FOR FUEL ADJUSTMENT
							(A) FUEL COST	(B) TOTAL COST	
ACTUAL Jan-16	VARIOUS	CO-GEN.							
		AS AVAIL.	18,943.0	0.0	0.0	18,943.0	1.992	1.992	377,381.48
	TOTAL		18,943.0	0.0	0.0	18,943.0	1.992	1.992	377,381.48
ACTUAL Feb-16	VARIOUS	CO-GEN.							
		AS AVAIL.	15,799.0	0.0	0.0	15,799.0	2.324	2.324	367,240.31
	TOTAL		15,799.0	0.0	0.0	15,799.0	2.324	2.324	367,240.31
ACTUAL Mar-16	VARIOUS	CO-GEN.							
		AS AVAIL.	22,287.0	0.0	0.0	22,287.0	2.097	2.097	467,423.28
	TOTAL		22,287.0	0.0	0.0	22,287.0	2.097	2.097	467,423.28
ACTUAL Apr-16	VARIOUS	CO-GEN.							
		AS AVAIL.	28,100.0	0.0	0.0	28,100.0	2.017	2.017	566,878.53
	TOTAL		28,100.0	0.0	0.0	28,100.0	2.017	2.017	566,878.53
ACTUAL May-16	VARIOUS	CO-GEN.							
		AS AVAIL.	22,443.0	0.0	0.0	22,443.0	1.987	1.987	445,937.02
	TOTAL		22,443.0	0.0	0.0	22,443.0	1.987	1.987	445,937.02
ACTUAL Jun-16	VARIOUS	CO-GEN.							
		AS AVAIL.	19,079.0	0.0	0.0	19,079.0	2.162	2.162	412,546.37
	TOTAL		19,079.0	0.0	0.0	19,079.0	2.162	2.162	412,546.37
ESTIMATED Jul-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,500.0	0.0	0.0	7,500.0	4.676	4.676	350,710.00
	TOTAL		7,500.0	0.0	0.0	7,500.0	4.676	4.676	350,710.00
ESTIMATED Aug-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,570.0	0.0	0.0	7,570.0	2.493	2.493	188,720.00
	TOTAL		7,570.0	0.0	0.0	7,570.0	2.493	2.493	188,720.00
ESTIMATED Sep-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,470.0	0.0	0.0	7,470.0	2.192	2.192	163,740.00
	TOTAL		7,470.0	0.0	0.0	7,470.0	2.192	2.192	163,740.00
ESTIMATED Oct-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,530.0	0.0	0.0	7,530.0	1.894	1.894	142,640.00
	TOTAL		7,530.0	0.0	0.0	7,530.0	1.894	1.894	142,640.00
ESTIMATED Nov-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,570.0	0.0	0.0	7,570.0	2.313	2.313	175,110.00
	TOTAL		7,570.0	0.0	0.0	7,570.0	2.313	2.313	175,110.00
ESTIMATED Dec-16	VARIOUS	CO-GEN.							
		AS AVAIL.	7,420.0	0.0	0.0	7,420.0	1.804	1.804	133,840.00
	TOTAL		7,420.0	0.0	0.0	7,420.0	1.804	1.804	133,840.00
TOTAL Jan-16 THRU Dec-16	VARIOUS	CO-GEN.							
		AS AVAIL.	171,711.0	0.0	0.0	171,711.0	2.208	2.208	3,792,166.99
	TOTAL		171,711.0	0.0	0.0	171,711.0	2.208	2.208	3,792,166.99

TAMPA ELECTRIC COMPANY  
 ECONOMY ENERGY PURCHASES  
 ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016

SCHEDULE E9

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR INTERRUPTIBLE	(6) MWH FOR FIRM	(7) TRANSACTION COST cents/KWH	(8) TOTAL \$ FOR FUEL ADJUSTMENT	(9) COST IF GENERATED		(10) FUEL SAVINGS (9B)-(8)
								(A)	(B)	
								CENTS PER KWH	(\$000)	
ACTUAL	VARIOUS	SCH. - REB	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
Jan-16	VARIOUS	SCH. - J	8,888.0	0.0	8,888.0	2.650	235,532.00	2.761	245,408.90	9,876.90
	<b>TOTAL</b>		<b>8,888.0</b>	<b>0.0</b>	<b>8,888.0</b>	<b>2.650</b>	<b>235,532.00</b>	<b>2.761</b>	<b>245,408.90</b>	<b>9,876.90</b>
ACTUAL	VARIOUS	SCH. - REB	1,362.0	0.0	1,362.0	1.957	26,656.00	2.201	29,981.77	3,325.77
Feb-16	VARIOUS	SCH. - J	1,959.0	0.0	1,959.0	2.305	45,164.00	2.685	52,590.48	7,426.48
	<b>TOTAL</b>		<b>3,321.0</b>	<b>0.0</b>	<b>3,321.0</b>	<b>2.163</b>	<b>71,820.00</b>	<b>2.486</b>	<b>82,572.25</b>	<b>10,752.25</b>
ACTUAL	VARIOUS	SCH. - REB	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
Mar-16	VARIOUS	SCH. - J	11,106.0	0.0	11,106.0	1.438	159,719.98	2.370	263,185.93	103,465.95
	<b>TOTAL</b>		<b>11,106.0</b>	<b>0.0</b>	<b>11,106.0</b>	<b>1.438</b>	<b>159,719.98</b>	<b>2.370</b>	<b>263,185.93</b>	<b>103,465.95</b>
ACTUAL	VARIOUS	SCH. - REB	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
Apr-16	VARIOUS	SCH. - J	11,444.0	0.0	11,444.0	3.387	387,642.25	3.751	429,319.43	41,677.18
	<b>TOTAL</b>		<b>11,444.0</b>	<b>0.0</b>	<b>11,444.0</b>	<b>3.387</b>	<b>387,642.25</b>	<b>3.751</b>	<b>429,319.43</b>	<b>41,677.18</b>
ACTUAL	VARIOUS	SCH. - REB	10.0	0.0	10.0	2.100	210.00	2.254	225.40	15.40
May-16	VARIOUS	SCH. - J	15,458.0	0.0	15,458.0	2.379	367,704.45	2.929	452,733.64	85,029.19
	<b>TOTAL</b>		<b>15,468.0</b>	<b>0.0</b>	<b>15,468.0</b>	<b>2.379</b>	<b>367,914.45</b>	<b>2.928</b>	<b>452,959.04</b>	<b>85,044.59</b>
ACTUAL	VARIOUS	SCH. - REB	750.0	0.0	750.0	2.217	16,625.00	2.733	20,498.30	3,873.30
Jun-16	VARIOUS	SCH. - J	12,530.0	0.0	12,530.0	4.093	512,823.00	4.689	587,569.51	74,746.51
	<b>TOTAL</b>		<b>13,280.0</b>	<b>0.0</b>	<b>13,280.0</b>	<b>3.987</b>	<b>529,448.00</b>	<b>4.579</b>	<b>608,067.81</b>	<b>78,619.81</b>
ESTIMATED	VARIOUS	ECONOMY	25,610.0	0.0	25,610.0	3.234	828,180.00	3.590	919,350.00	91,170.00
Jul-16	<b>TOTAL</b>		<b>25,610.0</b>	<b>0.0</b>	<b>25,610.0</b>	<b>3.234</b>	<b>828,180.00</b>	<b>3.590</b>	<b>919,350.00</b>	<b>91,170.00</b>
ESTIMATED	VARIOUS	ECONOMY	27,620.0	0.0	27,620.0	3.312	914,820.00	3.331	920,050.00	5,230.00
Aug-16	<b>TOTAL</b>		<b>27,620.0</b>	<b>0.0</b>	<b>27,620.0</b>	<b>3.312</b>	<b>914,820.00</b>	<b>3.331</b>	<b>920,050.00</b>	<b>5,230.00</b>
ESTIMATED	VARIOUS	ECONOMY	23,740.0	0.0	23,740.0	2.986	708,960.00	3.104	736,850.00	27,890.00
Sep-16	<b>TOTAL</b>		<b>23,740.0</b>	<b>0.0</b>	<b>23,740.0</b>	<b>2.986</b>	<b>708,960.00</b>	<b>3.104</b>	<b>736,850.00</b>	<b>27,890.00</b>
ESTIMATED	VARIOUS	ECONOMY	23,860.0	0.0	23,860.0	3.015	719,370.00	3.015	719,370.00	0.00
Oct-16	<b>TOTAL</b>		<b>23,860.0</b>	<b>0.0</b>	<b>23,860.0</b>	<b>3.015</b>	<b>719,370.00</b>	<b>3.015</b>	<b>719,370.00</b>	<b>0.00</b>
ESTIMATED	VARIOUS	ECONOMY	26,930.0	0.0	26,930.0	2.772	746,570.00	2.772	746,570.00	0.00
Nov-16	<b>TOTAL</b>		<b>26,930.0</b>	<b>0.0</b>	<b>26,930.0</b>	<b>2.772</b>	<b>746,570.00</b>	<b>2.772</b>	<b>746,570.00</b>	<b>0.00</b>
ESTIMATED	VARIOUS	ECONOMY	24,140.0	0.0	24,140.0	3.326	802,800.00	3.354	809,740.00	6,940.00
Dec-16	<b>TOTAL</b>		<b>24,140.0</b>	<b>0.0</b>	<b>24,140.0</b>	<b>3.326</b>	<b>802,800.00</b>	<b>3.354</b>	<b>809,740.00</b>	<b>6,940.00</b>
TOTAL	VARIOUS	SCH. - REB	2,122.0	0.0	2,122.0	2.050	43,491.00	2.390	50,705.47	7,214.47
Jan-16	VARIOUS	SCH. - J	61,385.0	0.0	61,385.0	2.783	1,708,585.68	3.308	2,030,807.89	322,222.21
THRU	VARIOUS	ECONOMY	151,900.0	0.0	151,900.0	3.108	4,720,700.00	3.194	4,851,930.00	131,230.00
Dec-16	<b>TOTAL</b>		<b>215,407.0</b>	<b>0.0</b>	<b>215,407.0</b>	<b>3.005</b>	<b>6,472,776.68</b>	<b>3.219</b>	<b>6,933,443.36</b>	<b>460,666.68</b>

**EXHIBIT TO THE TESTIMONY OF  
PENELOPE A. RUSK**

**DOCUMENT NO. 2**

**CAPACITY COST RECOVERY**

**ACTUAL / ESTIMATED**

**JANUARY 2016 THROUGH DECEMBER 2016**

TAMPA ELECTRIC COMPANY  
CAPACITY COST RECOVERY  
CALCULATION OF THE CURRENT (ACTUAL/ESTIMATED) PERIOD TRUE-UP  
JANUARY 2016 THROUGH DECEMBER 2016

1.	FINAL OVER/(UNDER) RECOVERY FOR JANUARY 2015 THROUGH DECEMBER 2015	(\$2,449,694)
2.	ACTUAL/ESTIMATED OVER/(UNDER) RECOVERY FOR THE CURRENT PERIOD JANUARY 2016 THROUGH DECEMBER 2016	<u>(536,366)</u>
3.	CURRENT PERIOD TRUE-UP AMOUNT TO BE REFUNDED/(RECOVERED) IN THE PROJECTION PERIOD JANUARY 2017 THROUGH DECEMBER 2017	<u><u>(\$2,986,060)</u></u>

**TAMPA ELECTRIC COMPANY  
CAPACITY COST RECOVERY CLAUSE  
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT  
JANUARY 2016 THROUGH DECEMBER 2016**

	<b>Actual Jan-16</b>	<b>Actual Feb-16</b>	<b>Actual Mar-16</b>	<b>Actual Apr-16</b>	<b>Actual May-16</b>	<b>Actual Jun-16</b>	<b>Estimated Jul-16</b>	<b>Estimated Aug-16</b>	<b>Estimated Sep-16</b>	<b>Estimated Oct-16</b>	<b>Estimated Nov-16</b>	<b>Estimated Dec-16</b>	<b>Total</b>
1 UNIT POWER CAPACITY CHARGES	1,231,451	2,244,153	2,242,223	2,252,253	3,205,047	4,476,611	3,382,070	3,382,070	3,382,070	3,382,070	3,382,070	2,241,570	34,803,658
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 (UNIT POWER CAPACITY REVENUES)	(188,374)	(67,143)	(45,918)	(75,099)	(17,741)	(27,459)	(70,289)	(70,289)	(70,289)	(70,289)	(70,289)	(70,290)	(843,469)
4 TOTAL CAPACITY DOLLARS	1,043,077	2,177,010	2,196,305	2,177,154	3,187,306	4,449,152	3,311,781	3,311,781	3,311,781	3,311,781	3,311,781	2,171,280	33,960,189
5 SEPARATION FACTOR	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367	0.9958367
6 JURISDICTIONAL CAPACITY DOLLARS	1,038,734	2,167,946	2,187,161	2,168,090	3,174,037	4,430,629	3,297,993	3,297,993	3,297,993	3,297,993	3,297,993	2,162,240	33,818,802
7 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	2,237,815	2,089,102	1,963,140	2,085,524	2,287,751	2,700,140	3,212,719	3,220,168	3,284,771	2,944,616	2,542,454	2,518,089	31,086,289
8 PRIOR PERIOD TRUE-UP PROVISION	183,647	183,647	183,647	183,647	183,647	183,647	183,647	183,647	183,647	183,647	183,647	183,652	2,203,769
9 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	2,421,462	2,272,749	2,146,787	2,269,171	2,471,398	2,883,787	3,396,366	3,403,815	3,468,418	3,128,263	2,726,101	2,701,741	33,290,058
10 TRUE-UP PROVISION FOR MONTH OVER/(UNDER) RECOVERY (Line 9 - Line 6)	1,382,728	104,803	(40,374)	101,081	(702,639)	(1,546,842)	98,373	105,822	170,425	(169,730)	(571,892)	539,501	(528,744)
11 INTEREST PROVISION FOR MONTH	117	311	275	201	40	(402)	(669)	(695)	(1,088)	(1,611)	(1,983)	(2,118)	(7,622)
12 ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRUE-UP AND INT. PROVISION BEGINNING OF MONTH - OVER/(UNDER) RECOVERY	(245,925)	953,273	874,740	650,994	568,629	(317,617)	(2,048,508)	(2,134,451)	(2,212,971)	(2,227,281)	(2,582,269)	(3,339,791)	(245,925)
14 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS MONTH	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,647)	(183,652)	(2,203,769)
<b>15 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY ( SUM OF LINES 10 - 14)</b>	<b>953,273</b>	<b>874,740</b>	<b>650,994</b>	<b>568,629</b>	<b>(317,617)</b>	<b>(2,048,508)</b>	<b>(2,134,451)</b>	<b>(2,212,971)</b>	<b>(2,227,281)</b>	<b>(2,582,269)</b>	<b>(3,339,791)</b>	<b>(2,986,060)</b>	<b>(2,986,060)</b>

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**TAMPA ELECTRIC COMPANY  
CAPACITY COST RECOVERY CLAUSE  
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT  
JANUARY 2016 THROUGH DECEMBER 2016**

	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Estimated Jul-16	Estimated Aug-16	Estimated Sep-16	Estimated Oct-16	Estimated Nov-16	Estimated Dec-16	Total
1 BEGINNING TRUE-UP AMOUNT	(245,925)	953,273	874,740	650,994	568,629	(317,617)	(2,048,508)	(2,134,451)	(2,212,971)	(2,227,281)	(2,582,269)	(3,339,791)	(245,925)
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	953,156	874,429	650,719	568,428	(317,657)	(2,048,106)	(2,133,782)	(2,212,276)	(2,226,193)	(2,580,658)	(3,337,808)	(2,983,942)	(2,978,438)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT. ( LINE 1 + LINE 2 )	707,231	1,827,702	1,525,459	1,219,422	250,972	(2,365,723)	(4,182,290)	(4,346,727)	(4,439,164)	(4,807,939)	(5,920,077)	(6,323,733)	(3,224,363)
4 AVERAGE TRUE-UP AMOUNT ( 50% OF LINE 3 )	353,616	913,851	762,730	609,711	125,486	(1,182,862)	(2,091,145)	(2,173,364)	(2,219,582)	(2,403,970)	(2,960,039)	(3,161,867)	(1,612,182)
5 INTEREST RATE % - 1ST DAY OF MONTH	0.400	0.400	0.420	0.440	0.340	0.430	0.380	0.380	0.380	0.800	0.800	0.800	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	0.400	0.420	0.440	0.340	0.430	0.380	0.380	0.380	0.800	0.800	0.800	0.800	NA
7 TOTAL ( LINE 5 + LINE 6 )	0.800	0.820	0.860	0.780	0.770	0.810	0.760	0.760	1.180	1.600	1.600	1.600	NA
8 AVERAGE INTEREST RATE % ( 50% OF LINE 7 )	0.400	0.410	0.430	0.390	0.385	0.405	0.380	0.380	0.590	0.800	0.800	0.800	NA
9 MONTHLY AVERAGE INTEREST RATE % ( LINE 8/12 )	0.033	0.034	0.036	0.033	0.032	0.034	0.032	0.032	0.049	0.067	0.067	0.067	NA
10 INTEREST PROVISION ( LINE 4 X LINE 9 )	117	311	275	201	40	(402)	(669)	(695)	(1,088)	(1,611)	(1,983)	(2,118)	(7,622)

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**TAMPA ELECTRIC COMPANY  
CAPACITY COSTS  
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016**

SCHEDULE E12

CONTRACT	TERM		CONTRACT TYPE	
	START	END		
DUKE ENERGY FLORIDA	2/1/2016	2/28/2017	LT	QF = QUALIFYING FACILITY
CALPINE	11/1/2011	12/31/2016	LT	LT = LONG TERM
PASCO COGEN LTD	1/1/2009	12/31/2018	LT	ST = SHORT-TERM
SEMINOLE ELECTRIC **	6/1/1992	-----	LT	** THREE YEAR NOTICE REQUIRED FOR TERMINATION.
EXELON GENERATION COMPANY, LLC	5/1/2016	11/30/2016	ST	
FLORIDA POWER & LIGHT COMPANY	5/1/2016	11/30/2016	ST	

CONTRACT	ACT	ACT	ACT	ACT	ACT	ACT	EST	EST	EST	EST	EST	EST
	JANUARY MW	FEBRUARY MW	MARCH MW	APRIL MW	MAY MW	JUNE MW	JULY MW	AUGUST MW	SEPTEMBER MW	OCTOBER MW	NOVEMBER MW	DECEMBER MW
DUKE ENERGY FLORIDA	-	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
CALPINE	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
PASCO COGEN LTD	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
SEMINOLE ELECTRIC	0.8	1.1	1.6	1.3	1.2	1.3	1.5	1.7	1.4	1.4	1.2	1.2
EXELON GENERATION COMPANY, LLC	-	-	-	-	150.0	150.0	150.0	150.0	150.0	150.0	150.0	-
FLORIDA POWER & LIGHT COMPANY	-	-	-	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-

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TAMPA ELECTRIC COMPANY  
CAPACITY COSTS  
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016

SCHEDULE E12

CAPACITY	ACT	ACT	ACT	ACT	ACT	ACT	EST	EST	EST	EST	EST	EST	TOTAL
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
CALPINE - D													
DUKE ENERGY FLORIDA - D													
PASCO COGEN LTD - D													
FLORIDA POWER & LIGHT													
DUKE ENERGY FLORIDA													
JACKSONVILLE ELECTRIC AUTHORITY													
FLORIDA POWER & LIGHT - JCBO													
EXGEN (EXELON) - JCBO													
<b>SUBTOTAL CAPACITY PURCHASES</b>													
SEMINOLE ELECTRIC - D													
DUKE ENERGY FLORIDA - CB													
FLORIDA POWER & LIGHT - CB													
ORLANDO UTILITIES - CB													
REEDY CREEK - CB													
SEMINOLE ELECTRIC - CB													
THE ENERGY AUTHORITY - CB													
VARIOUS - MA													
EXGEN - MA													
THE ENERGY AUTHORITY - MA													
MERCURIA AMERICA - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
<b>SUBTOTAL CAPACITY SALES</b>													
<b>TOTAL PURCHASES AND (SALES)</b>	\$ 1,043,077	\$ 2,177,010	\$ 2,196,305	\$ 2,177,154	\$ 3,187,306	\$ 4,449,152	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 2,171,280	\$ 33,960,189
<b>TOTAL CAPACITY</b>	\$ 1,043,077	\$ 2,177,010	\$ 2,196,305	\$ 2,177,154	\$ 3,187,306	\$ 4,449,152	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 3,311,781	\$ 2,171,280	\$ 33,960,189

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**EXHIBIT TO THE TESTIMONY OF  
PENELOPE A. RUSK**

**DOCUMENT NO. 3**

**CAPITAL PROJECTS APPROVED FOR  
FUEL CLAUSE RECOVERY**

**JANUARY 2016 - DECEMBER 2016**

**POLK 1 IGNITION CONVERSION  
SCHEDULE OF DEPRECIATION AND RETURN  
FOR THE PERIOD JANUARY 2016 THROUGH DECEMBER 2016**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 BEGINNING BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
2 ADD INVESTMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 LESS RETIREMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 ENDING BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
5													
6													
7 AVERAGE BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
8 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%
9 DEPRECIATION EXPENSE	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	3,230,701
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	8,067,199	8,336,424	8,605,649	8,874,874	9,144,099	9,413,324	9,682,549	9,951,774	10,220,999	10,490,224	10,759,449	11,028,674	8,067,199
12 ENDING BALANCE DEPRECIATION	8,336,424	8,605,649	8,874,874	9,144,099	9,413,324	9,682,549	9,951,774	10,220,999	10,490,224	10,759,449	11,028,674	11,297,899	11,297,899
13													
14													
15 ENDING NET INVESTMENT	7,807,527	7,538,302	7,269,077	6,999,852	6,730,627	6,461,402	6,192,177	5,922,952	5,653,726	5,384,501	5,115,276	4,846,051	4,846,051
16													
17													
18 AVERAGE INVESTMENT	7,942,140	7,672,914	7,403,689	7,134,464	6,865,239	6,596,014	6,326,789	6,057,564	5,788,339	5,519,114	5,249,889	4,980,664	
19 ALLOWED EQUITY RETURN	.36016%	.36016%	.36016%	.36016%	.36016%	.36016%	.35878%	.35878%	.35878%	.35878%	.35878%	.35878%	.35878%
20 EQUITY COMPONENT AFTER-TAX	28,604	27,635	26,665	25,695	24,726	23,756	22,699	21,734	20,768	19,802	18,836	17,870	278,790
21 CONVERSION TO PRE-TAX	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220
22 EQUITY COMPONENT PRE-TAX	46,687	45,106	43,523	41,939	40,358	38,775	37,049	35,474	33,898	32,321	30,744	29,167	455,041
23													
24 ALLOWED DEBT RETURN	.16226%	.16226%	.16226%	.16226%	.16226%	.16226%	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%
25 DEBT COMPONENT	12,887	12,450	12,013	11,576	11,139	10,702	9,989	9,564	9,139	8,714	8,289	7,864	124,326
26													
27 TOTAL RETURN REQUIREMENTS	59,574	57,556	55,536	28,240	51,497	49,477	47,038	45,038	43,037	41,035	39,033	37,031	554,092
28													
29 TOTAL DEPRECIATION & RETURN	328,799	326,781	350,036	297,465	320,722	318,702	316,263	314,263	312,262	310,260	308,258	306,256	3,810,068
30													
31 ESTIMATED FUEL SAVINGS	3,560	3,040,230	1,163,516	2,435,447	3,234,901	6,724,034	\$394,696	\$1,247,835	\$924,664	\$211,200	\$1,033,200	\$529,461	\$20,942,744
32 TOTAL DEPRECIATION & RETURN	328,799	326,781	350,036	297,465	320,722	318,702	\$316,263	\$314,263	\$312,262	\$310,260	\$308,258	\$306,256	\$3,810,068
33 NET BENEFIT (COST) TO RATEPAYER	(325,239)	2,713,449	838,755	2,112,707	2,914,179	6,405,332	\$78,433	\$933,572	\$612,402	(\$99,060)	\$724,942	\$223,205	\$17,132,676
34													

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.  
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY-JUNE USING AN ANNUAL RATE OF 9.0013% (EQUITY 7.0542% , DEBT 1.9471%). RATES ARE BASED ON THE MAY 2015 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).  
37 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.9219% (EQUITY 7.0273% , DEBT 1.8946%). RATES ARE BASED ON THE MAY 2016 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).  
38 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%  
39 ZERO PROJECTED GENERATION RESULTS IN ZERO ESTIMATED FUEL SAVINGS FOR THAT MONTH.

**BIG BEND UNITS 1-4 IGNITERS CONVERSION TO NATURAL GAS  
SCHEDULE OF DEPRECIATION AND RETURN  
FOR THE PERIOD JANUARY 2016 THROUGH DECEMBER 2016**

	ACTUAL JANUARY	ACTUAL FEBRUARY	ACTUAL MARCH	ACTUAL APRIL	ACTUAL MAY	ACTUAL JUNE	PROJECTED JULY	PROJECTED AUGUST	PROJECTED SEPTEMBER	PROJECTED OCTOBER	PROJECTED NOVEMBER	PROJECTED DECEMBER	TOTAL
1 BEGINNING BALANCE	20,822,967	20,905,471	20,905,446	20,909,208	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,822,967
2 ADD INVESTMENT	76,012	(21,560)	-	-	-	-	-	-	-	-	-	-	54,452
2a ADD INVESTMENT: Big Bend Unit 4 (May 2015)	-	(19,487)	-	-	-	-	-	-	-	-	-	-	(19,487)
2b ADD INVESTMENT: Big Bend Unit 2 (June 2015)	(4,229)	38,978	-	-	-	-	-	-	-	-	-	-	34,749
2c ADD INVESTMENT: Big Bend Unit 1	10,720	2,044	3,762	1,140	-	-	-	-	-	-	-	-	17,667
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	20,905,471	20,905,446	20,909,208	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348
5													
6													
7 AVERAGE BALANCE	20,864,219	20,905,458	20,907,327	20,909,778	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348	20,910,348
8 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%
9 DEPRECIATION EXPENSE	347,737	348,424	348,455	348,496	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	4,181,159
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	2,550,481	2,898,218	3,246,643	3,595,098	3,943,594	4,292,100	4,640,606	4,989,112	5,337,618	5,686,123	6,034,629	6,383,135	2,550,481
12 ENDING BALANCE DEPRECIATION	2,898,218	3,246,643	3,595,098	3,943,594	4,292,100	4,640,606	4,989,112	5,337,618	5,686,123	6,034,629	6,383,135	6,731,641	6,731,641
13													
14													
15 ENDING NET INVESTMENT	18,007,252	17,658,803	17,314,110	16,966,754	16,618,248	16,269,742	15,921,236	15,572,731	15,224,225	14,875,719	14,527,213	14,178,707	14,178,707
16													
17													
18 AVERAGE INVESTMENT	\$18,139,869	\$17,833,028	\$17,486,456	\$17,140,432	\$16,792,501	\$16,443,995	\$16,095,489	\$15,746,983	\$15,398,478	\$15,049,972	\$14,701,466	\$14,352,960	
19 ALLOWED EQUITY RETURN	.36016%	.36016%	.36016%	.36016%	.36016%	.36016%	.35878%	.35878%	.35878%	.35878%	.35878%	.35878%	
20 EQUITY COMPONENT AFTER-TAX	65,333	64,227	62,979	61,733	60,480	59,225	57,748	56,498	55,247	53,997	52,746	51,496	701,709
21 CONVERSION TO PRE-TAX	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	
22 EQUITY COMPONENT PRE-TAX	\$106,637	\$104,831	\$102,794	\$100,761	\$98,715	\$96,667	\$94,256	\$92,216	\$90,174	\$88,134	\$86,092	\$84,052	\$1,145,329
23													
24 ALLOWED DEBT RETURN	.16226%	.16226%	.16226%	.16226%	.16226%	.16226%	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%	
25 DEBT COMPONENT	\$29,433	\$28,935	\$28,373	\$27,811	\$27,247	\$26,681	\$25,412	\$24,862	\$24,312	\$23,761	\$23,211	\$22,661	\$312,699
26													
27 TOTAL RETURN REQUIREMENTS	\$136,070	\$133,766	\$131,167	\$128,572	\$125,962	\$123,348	\$119,668	\$117,078	\$114,486	\$111,895	\$109,303	\$106,713	\$1,458,028
28 PRIOR MONTH TRUE-UP													-
29 TOTAL DEPRECIATION & RETURN	\$483,807	\$482,190	\$479,622	\$477,068	\$474,468	\$471,854	\$468,174	\$465,584	\$462,992	\$460,401	\$457,809	\$455,219	\$5,639,187
30													
31 ESTIMATED FUEL SAVINGS	\$675,815	\$855,095	\$572,690	\$539,935	\$432,312	\$1,551,829	\$432,568	\$283,992	\$460,859	\$349,927	\$560,638	\$376,471	\$7,092,131
32 TOTAL DEPRECIATION & RETURN	\$483,807	\$482,190	\$479,622	\$477,068	\$474,468	\$471,854	\$468,174	\$465,584	\$462,992	\$460,401	\$457,809	\$455,219	\$5,639,187
33 NET BENEFIT (COST) TO RATEPAYER	\$192,008	\$372,905	\$93,068	\$62,867	(\$42,155)	\$1,079,976	(\$35,606)	(\$181,592)	(\$2,133)	(\$110,474)	\$102,829	(\$78,748)	\$1,452,944

- 34 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.  
35 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JULY USING AN ANNUAL RATE OF 9.0013% (EQUITY 7.0542% , DEBT 1.9471%). RATES ARE BASED ON THE MAY 2015 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).  
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.9219% (EQUITY 7.0273% , DEBT 1.8946%). RATES ARE BASED ON THE MAY 2016 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).  
37 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%  
38 ZERO PROJECTED GENERATION RESULTS IN ZERO ESTIMATED FUEL SAVINGS FOR THAT MONTH.

**Tampa Electric Company**  
**Calculation of Revenue Requirement Rate of Return**  
**For Cost Recovery Clauses**  
**January 2016 to June 2016**

	(1) Jurisdictional Rate Base Actual May 2015 Capital Structure (\$000)	(2) Ratio %	(3) Cost Rate %	(4) Weighted Cost Rate %
Long Term Debt	\$ 1,500,445	35.24%	5.33%	1.8783%
Short Term Debt	25,918	0.61%	0.71%	0.0043%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	108,557	2.55%	2.27%	0.0579%
Common Equity	1,791,818	42.09%	10.25%	4.3142%
Deferred ITC - Weighted Cost	7,573	0.18%	7.96%	0.0143%
Accumulated Deferred Income Taxes & Zero Cost ITCs	<u>823,006</u>	<u>19.33%</u>	0.00%	<u>0.0000%</u>
 Total	 <u>\$ 4,257,317</u>	 <u>100.00%</u>		 <u>6.27%</u>

**ITC split between Debt and Equity:**

Long Term Debt	\$ 1,500,445	Long Term Debt	45.22%
Short Term Debt	25,918	Short Term Debt	0.78%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>1,791,818</u>	Equity - Common	<u>54.00%</u>
 Total	 <u>\$ 3,318,181</u>	 Total	 <u>100.00%</u>

**Deferred ITC - Weighted Cost:**

Debt = .0161% * 46.00%	0.0066%
Equity = .0161% * 54.00%	<u>0.0077%</u>
Weighted Cost	<u>0.0143%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	4.3142%
Deferred ITC - Weighted Cost	<u>0.0077%</u>
	4.3219%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0542%</u>

**Total Debt Cost Rate:**

Long Term Debt	1.8783%
Short Term Debt	0.0043%
Customer Deposits	0.0579%
Deferred ITC - Weighted Cost	<u>0.0066%</u>
Total Debt Component	<u>1.9471%</u>
	<u>9.0013%</u>

**Notes:**

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (2) - Column (1) / Total Column (1)  
 Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (4) - Column (2) x Column (3)

**Tampa Electric Company  
 Calculation of Revenue Requirement Rate of Return  
 For Cost Recovery Clauses  
 July 2016 to December 2016**

	(1) Jurisdictional Rate Base Actual May 2016 Capital Structure (\$000)	(2) Ratio %	(3) Cost Rate %	(4) Weighted Cost Rate %
Long Term Debt	\$ 1,548,383	35.17%	5.17%	1.82%
Short Term Debt	25,435	0.58%	0.90%	0.01%
Preferred Stock	0	0.00%	0.00%	0.00%
Customer Deposits	106,847	2.43%	2.29%	0.06%
Common Equity	1,847,526	41.96%	10.25%	4.30%
Deferred ITC - Weighted Cost	7,686	0.17%	7.89%	0.01%
Accumulated Deferred Income Taxes & Zero Cost ITCs	<u>866,653</u>	<u>19.69%</u>	0.00%	<u>0.00%</u>
<b>Total</b>	<b><u>\$ 4,402,530</u></b>	<b><u>100.00%</u></b>		<b><u>6.20%</u></b>

**ITC split between Debt and Equity:**

Long Term Debt	\$ 1,548,383	Long Term Debt	45.26%
Short Term Debt	25,435	Short Term Debt	0.74%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>1,847,526</u>	Equity - Common	<u>54.00%</u>
<b>Total</b>	<b><u>\$ 3,421,345</u></b>	<b>Total</b>	<b><u>100.00%</u></b>

**Deferred ITC - Weighted Cost:**

Debt = .0100% * 46.00%	0.0046%
Equity = .0100% * 54.00%	<u>0.0054%</u>
Weighted Cost	<u>0.0100%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	4.3000%
Deferred ITC - Weighted Cost	<u>0.0054%</u>
	4.3054%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0273%</u>

**Total Debt Cost Rate:**

Long Term Debt	1.8200%
Short Term Debt	0.0100%
Customer Deposits	0.0600%
Deferred ITC - Weighted Cost	<u>0.0046%</u>
Total Debt Component	<u>1.8946%</u>
	<u>8.9219%</u>

**Notes:**

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (2) - Column (1) / Total Column (1)  
 Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (4) - Column (2) x Column (3)