

AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

July 27, 2017

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. 20170001-EI

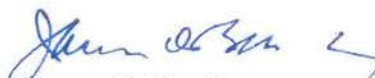
Dear Ms. Stauffer:

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 2017 through December 2017.

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 27th day of July 2017, to the following:

Ms. Suzanne S. Brownless
Ms. Danijela Janjic
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us
Djanjic@psc.state.fl.us

Ms. Patricia A. Christensen
Associate Public Counsel
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us

Ms. Dianne M. Triplett
Associate General Counsel
Duke Energy Florida, LLC
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

Mr. Matthew R. Bernier
Senior Counsel
Duke Energy Florida, LLC
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com

Mr. Jon C Moyle, Jr.
Moyle Law Firm
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 S. Monroe St., Suite 601
Tallahassee, FL 32301
bkeating@gunster.com

Mr. John T. Butler
Assistant General Counsel – Regulatory
Ms. Maria Jose Moncada
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
john.butler@fpl.com
maria.moncada@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Robert L. McGee, Jr.
Regulatory and Pricing Manager
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780
rlmcgee@southernco.com

Mr. Jeffrey A. Stone
Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591-2950
jas@beggslane.com
rab@beggslane.com
srg@beggslane.com

Mr. Robert Scheffel Wright
Mr. John T. LaVia, III
Gardner, Bist, Wiener, Wadsworth,
Bowden, Bush, Dee, LaVia & Wright, P.A.
1300 Thomaswood Drive
Tallahassee, FL 32308
Schef@gbwlegal.com
Jlavia@gbwlegal.com

Mr. James W. Brew
Ms. Laura A. Wynn
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
laura.wynn@smxblaw.com



ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery) DOCKET NO. 20170001-EI
Clause with Generating Performance Incentive)
Factor.) FILED: July 27, 2017
_____)

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 2017 through December 2017. In support thereof, Tampa Electric incorporates the prepared direct testimony and exhibit of Tampa Electric witness Penelope A. Rusk.

Fuel and Purchased Power Cost Recovery

1. Tampa Electric projects an actual/estimated true-up amount for the January 2017 through December 2017 period, which is based on actual data for the period January 1, 2017 through June 30, 2017 and revised estimates for the period July 1, 2017 through December 31, 2017, to be an over-recovery of \$38,652,694. (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 2017 through December 2017 period, which is based on actual data for the period January 1, 2017 through June 30, 2017 and revised estimates for the period July 1, 2017 through December 31, 2017, to be an over-recovery of \$1,648,777. (See Exhibit No. PAR-2, Document No. 2, Page 1 of 5.)

3. 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, 2017 through December 31, 2017.

DATED this 27th day of July 2017.

Respectfully submitted,



JAMES D. BEASLEY
J. JEFFRY WAHLEN
Ausley McMullen
Post Office Box 391
Tallahassee, FL 32302
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

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 27th day of July, 2017, to the following:

Ms. Suzanne S. Brownless
Ms. Danijela Janjic
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us
Djanjic@psc.state.fl.us

Ms. Patricia A. Christensen
Associate Public Counsel
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us

Ms. Dianne M. Triplett
Associate General Counsel
Duke Energy Florida, LLC
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

Mr. Matthew R. Bernier
Senior Counsel
Duke Energy Florida, LLC
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com

Mr. Jon C Moyle, Jr.
Moyle Law Firm
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 S. Monroe St., Suite 601
Tallahassee, FL 32301
bkeating@gunster.com

Mr. John T. Butler
Assistant General Counsel – Regulatory
Ms. Maria Jose Moncada
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
john.butler@fpl.com
maria.moncada@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Robert L. McGee, Jr.
Regulatory and Pricing Manager
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780
rlmcgee@southernco.com

Mr. Jeffrey A. Stone
Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591-2950
jas@beggslane.com
rab@beggslane.com
srg@beggslane.com

Mr. Robert Scheffel Wright
Mr. John T. LaVia, III
Gardner, Bist, Wiener, Wadsworth,
Bowden, Bush, Dee, LaVia & Wright, P.A.
1300 Thomaswood Drive
Tallahassee, FL 32308
Schef@gbwlegal.com
Jlavia@gbwlegal.com

Mr. James W. Brew
Ms. Laura A. Wynn
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
laura.wynn@smxblaw.com



ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20170001-EI
IN RE: TAMPA ELECTRIC'S
FUEL & PURCHASED POWER COST RECOVERY AND
CAPACITY COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP
JANUARY 2017 THROUGH DECEMBER 2017

TESTIMONY AND EXHIBIT
OF
PENELOPE A. RUSK

FILED: JULY 27, 2017

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

PENELOPE A. RUSK

1
2
3
4
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 N. Franklin Street, Tampa, Florida 33602. I am employed
10 by Tampa Electric Company ("Tampa Electric" or "company")
11 in the position of Manager, Rates in the Regulatory
12 Affairs Department.

13
14 **Q.** Have you previously filed testimony in Docket No.
15 20170001-EI?

16
17 **A.** Yes, I submitted direct testimony on March 1, 2017.

18
19 **Q.** Has your job description, education, or professional
20 experience changed since then?

21
22 **A.** No, it has not.

23
24 **Q.** What is the purpose of your direct testimony?
25

1 **A.** The purpose of my testimony is to present, for Commission
2 review and approval, the calculation of the January 2017
3 through December 2017 fuel and purchased power and
4 capacity actual/estimated true-up amounts to be recovered
5 in the January 2018 through December 2018 projection
6 period. My testimony addresses the recovery of the fuel
7 and purchased power costs as well as capacity costs for
8 the year 2017, based on six months of actual data and six
9 months of estimated data. This information will be used
10 in the determination of the 2018 fuel and purchased power
11 costs and capacity cost recovery factors.

12
13 **Q.** Have you prepared any exhibits to support your direct
14 testimony?

15
16 **A.** Yes, I have prepared Exhibit No. PAR-2, which consists of
17 three documents. Document No. 1 includes schedules E1-B,
18 E-2, E-3, E-4, E-5, E-6, E-7, E-8, and E-9, which provide
19 the actual/estimated fuel and purchased power cost
20 recovery true-up amount for the period January 2017
21 through December 2017. Document No. 2 provides the
22 actual/estimated capacity cost recovery true-up amount
23 for the period January 2017 through December 2017.
24 Document No. 3 provides the actual/estimated capital
25 costs during the period of January 2017 through December

1 2017 for projects authorized for recovery through the fuel
2 clause. Document No. 3 also provides the capital structure
3 components and cost rates relied upon to calculate the
4 revenue requirement rate of return for the projects. These
5 documents are furnished as support for the projected true-
6 up amount for this period.

7
8 **Fuel and Purchased Power Cost Recovery Factors**

9 **Q.** What has Tampa Electric calculated as the estimated net
10 true-up amount for the current period to be applied in
11 the January 2018 through December 2018 fuel and purchased
12 power cost recovery factors?

13
14 **A.** The estimated net true-up amount applicable for the period
15 of January 2018 through December 2018 is an over-recovery
16 of \$17,081,137.

17
18 **Q.** How did Tampa Electric calculate the estimated net true-
19 up to be applied in the January 2018 through December
20 2018 fuel and purchased power cost recovery factors?

21
22 **A.** The net true-up amount to be recovered in 2018 is the sum
23 of the final true-up amount for the period January 2016
24 through December 2016 and the actual/estimated true-up
25 amount for the period January 2017 through December 2017.

1 Q. What did Tampa Electric calculate as the final fuel and
2 purchased power cost recovery true-up amount for 2016?

3

4 A. The final true-up is an under-recovery of \$21,571,557.
5 The actual fuel cost over-recovery, including interest is
6 \$101,068,239 for the period January 2016 through December
7 2016. The \$101,068,239 amount, less the actual/estimated
8 over-recovery amount of \$122,639,796 approved in Order
9 No. PSC-16-0547-FOF-EI, issued December 5, 2016 in Docket
10 No. 160001-EI results in a net-under recovery amount for
11 the period of \$21,571,557.

12

13 Q. What did Tampa Electric calculate as the actual/estimated
14 fuel and purchased power cost recovery amount for the
15 period January 2017 through December 2017?

16

17 A. The actual/estimated fuel and purchased power cost
18 recovery true-up is an over-recovery amount of
19 \$38,652,694 for the January 2017 through December 2017
20 period. The detailed calculation supporting the
21 actual/estimated current period true-up is shown in
22 Exhibit No. PAR-2, Document No. 1 on Schedule E1-B.

23

24 **Capacity Cost Recovery Clause**

25 Q. What has Tampa Electric calculated as the estimated net

1 true-up amount to be applied in the January 2018 through
2 December 2018 capacity cost recovery factors?

3

4 **A.** The estimated net true-up amount applicable for January
5 2018 through December 2018 is an under-recovery of
6 \$2,762,938 as shown in Exhibit No. PAR-2, Document No. 2,
7 page 2 of 5.

8

9 **Q.** How did Tampa Electric calculate the estimated net true-
10 up amount to be applied in the January 2018 through
11 December 2018 capacity cost recovery factors?

12

13 **A.** The net true-up amount to be recovered in the 2018
14 capacity cost recovery factors is the sum of the final
15 true-up amount for 2016 and the actual/estimated true-up
16 amount for January 2017 and December 2017.

17

18 **Q.** What did Tampa Electric calculate as the final capacity
19 cost recovery true-up amount for 2016?

20

21 **A.** The final 2016 true-up is an under-recovery of \$4,411,715.
22 The actual capacity cost under-recovery, including
23 interest, was \$7,397,775 for the period January 2016
24 through December 2016. This amount, less the \$2,986,060
25 actual/estimated under-recovery amount approved in Order

1 No. PSC-16-0547-FOF-EI, issued December 5, 2016 in Docket
2 No. 160001-EI results in a net under-recovery amount for
3 the period of \$4,411,715 as identified in Exhibit No.
4 PAR-2, Document No. 2, page 1 of 5.

5
6 **Q.** What did Tampa Electric calculate as the actual/estimated
7 capacity cost recovery true-up amount for the period
8 January 2017 through December 2017?

9
10 **A.** The actual/estimated true-up amount is an over-recovery
11 of \$1,648,777 as shown on Exhibit No. PAR-2, Document No.
12 2, page 1 of 5.

13
14 **Capital Projects Approved for Fuel Clause Recovery**

15 **Q.** Please describe the capital project costs that have been
16 authorized for recovery through the fuel clause.

17
18 **A.** Document No. 3 of Exhibit No. PAR-2 provides the capital
19 cost and fuel savings for the Polk Unit 1 and the Big
20 Bend Units 1-4 ignition conversion projects for the period
21 January 2017 through December 2017. This document also
22 contains the capital structure components and cost rates
23 relied upon to calculate the revenue requirement rate of
24 return on capital projects recovered through the fuel
25 clause.

1 The Polk Unit 1 ignition conversion project capital costs,
2 including depreciation and return, for the period January
3 2017 through December 2017 are less than the project's
4 fuel savings. This is shown on Exhibit No. PAR-2, Document
5 No. 3, page 1, line 33. Therefore, the Polk Unit 1
6 ignition conversion project capital costs should be
7 recovered through the fuel clause in accordance with FPSC
8 Order No. PSC-12-0498-PAA-EI, issued in Docket 120153-EI
9 on September 27, 2012.

10
11 The Big Bend Units 1-4 ignition conversion project capital
12 costs, including depreciation and return, for the period
13 January 2017 through December 2017 are less than the
14 project's fuel savings, as shown on Exhibit No. PAR-2,
15 Document No. 3, Page 2, line 33. Therefore, the Big Bend
16 Units 1-4 ignition conversion project capital costs
17 should be recovered through the fuel clause in accordance
18 with FPSC Order No. PSC-14-0309-PAA-EI, issued in Docket
19 140032-EI on June 12, 2014.

20
21 **Q.** Does this conclude your direct testimony?

22
23 **A.** Yes, it does.
24
25

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

DOCUMENT NO. 1

FUEL AND PURCHASED POWER COST RECOVERY

ACTUAL / ESTIMATED

JANUARY 2017 THROUGH DECEMBER 2017

TAMPA ELECTRIC COMPANY

TABLE OF CONTENTS

PAGE NO.	DESCRIPTION	PERIOD
2	Schedule E1-B Calculation of Estimated True-Up	(JAN. 2017 - DEC. 2017)
3	Schedule E2 Cost Recovery Clause Calculation	(")
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 2017 THROUGH DECEMBER 2017

SCHEDULE E1-B

	ACTUAL						ESTIMATED						TOTAL
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
A. 1. Fuel Cost of System Net Generation	48,946,478	41,298,238	42,238,155	47,975,537	61,230,812	60,238,971	63,700,397	63,508,898	59,476,902	53,270,442	41,581,479	46,568,756	630,035,065
2. Fuel Cost of Power Sold ⁽¹⁾	411,363	215,654	319,704	1,749,863	2,248,081	712,871	69,625	63,478	61,510	67,068	38,201	53,118	6,010,536
3. Fuel Cost of Purchased Power	336,404	223,553	310,992	540,996	596,173	297,659	339,860	409,980	361,190	332,570	26,600	78,060	3,854,037
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	411,498	344,155	353,346	256,595	217,582	130,631	216,170	259,150	182,810	235,200	217,090	167,710	2,991,937
4. Energy Cost of Economy Purchases	47,060	704,507	528,563	853,425	1,849,174	295,172	1,024,890	1,131,250	1,012,690	994,400	573,370	804,220	9,818,721
5. Adj. Big Bend Units 1-4 Igniters Conversion Project	452,629	450,036	447,445	444,855	442,263	439,673	435,871	433,315	430,761	428,203	425,647	423,093	5,253,791
5a. Adj. Polk 1 conversion depreciation & ROI	304,255	302,253	300,250	298,249	296,247	294,245	291,931	289,956	287,981	286,006	284,033	282,058	3,517,464
5b. Adj. Polk Warm Gas Cleanup	0	0	0	0	0	0	0	0	0	0	0	0	0
6. TOTAL FUEL & NET POWER TRANS.	50,086,961	43,107,088	43,859,047	48,619,794	62,384,170	60,983,480	65,939,494	65,969,071	61,690,824	55,479,753	43,070,018	48,270,779	649,460,479
⁽¹⁾ Includes Gains													
B. 1. Jurisdictional MWH Sales	1,475,365	1,295,325	1,311,129	1,432,554	1,667,779	1,750,258	1,899,862	1,883,474	1,974,571	1,723,692	1,416,894	1,389,836	19,220,739
2. Non-Jurisdictional MWH Sales	0	0	34	672	760	226	3,450	3,270	2,140	540	0	240	11,332
3. TOTAL SALES (LINE B1+B2)	1,475,365	1,295,325	1,311,163	1,433,226	1,668,539	1,750,484	1,903,312	1,886,744	1,976,711	1,724,232	1,416,894	1,390,076	19,232,071
4. Jurisdictional % of Total Sales	1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9984445	0.9984480	0.9988545	0.9998254	1.0000000	0.9998203	-
C. 1. Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	42,894,304	37,311,034	37,761,081	41,575,874	49,054,310	51,987,732	56,917,672	56,386,963	59,184,312	50,958,531	41,181,642	40,288,327	565,501,782
1a. Adjustment to Fuel Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
2. True-up Provision	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	10,219,983	122,639,796
2a. Incentive Provision	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,799)	(80,804)	(969,593)
3. FUEL REVENUE APPLICABLE TO PERIOD	53,033,488	47,450,218	47,900,265	51,715,058	59,193,494	62,126,916	67,056,856	66,526,147	69,323,496	61,097,715	51,320,826	50,427,506	687,171,985
4. Total Fuel and Net Power Transactions (Line A6)	50,086,961	43,107,088	43,859,047	48,619,794	62,384,170	60,983,480	65,939,494	65,969,071	61,690,824	55,479,753	43,070,018	48,270,779	649,460,479
5. Jurisd. Total Fuel and Net Power Transactions (Line A6*Line B4)	50,086,961	43,107,088	43,857,710	48,592,916	62,352,491	60,975,154	65,836,925	65,866,687	61,620,157	55,470,066	43,070,018	48,262,105	649,098,278
5a. Jurisdictional Loss Multiplier	1.00000	1.00000	1.00018	1.00018	1.00002	1.00002	1.00002	1.00002	1.00002	1.00002	1.00000	1.00002	-
5b. Jurisdictional Sales Adjusted for Line Losses	50,086,961	43,107,088	43,865,604	48,601,663	62,353,738	60,976,374	65,838,242	65,868,004	61,621,389	55,471,175	43,070,018	48,263,070	649,123,326
5c. Adjustment - Jurisdictional Loss Multiplier	(9,625)	(16)	0	0	(14,792)	0	0	0	0	0	0	0	(24,433)
6. JURISD. TOTAL FUEL AND NET POWER TRANSACTIONS	50,077,336	43,107,072	43,865,604	48,601,663	62,338,946	60,976,374	65,838,242	65,868,004	61,621,389	55,471,175	43,070,018	48,263,070	649,098,893
7. Over/(Under) Recovery	2,956,152	4,343,147	4,034,661	3,113,395	(3,145,452)	1,150,542	1,218,614	658,143	7,702,107	5,626,540	8,250,808	2,164,436	38,073,093
7a. Adjustment-2016 Reedy Creek True Up (Incl Interest)	0	0	4,105	0	0	0	0	0	0	0	0	0	4,105
8. Interest Provision	59,436	52,737	56,065	58,771	51,138	48,465	50,432	46,948	42,977	41,598	36,997	29,932	575,496
9. TOTAL ESTIMATED TRUE-UP FOR THE PERIOD													38,652,694

10

TAMPA ELECTRIC COMPANY
FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2017 THROUGH DECEMBER 2017

SCHEDULE E2

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	TOTAL PERIOD
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
1. Fuel Cost of System Net Generation	48,946,478	41,298,238	42,238,155	47,975,537	61,230,812	60,238,971	63,700,397	63,508,898	59,476,902	53,270,442	41,581,479	46,568,756	630,035,065
2. Nuclear Fuel Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Fuel Cost of Power Sold ⁽¹⁾	411,363	215,654	319,704	1,749,863	2,248,081	712,871	69,625	63,478	61,510	67,068	38,201	53,118	6,010,536
4. Fuel Cost of Purchased Power	336,404	223,553	310,992	540,996	596,173	297,659	339,860	409,980	361,190	332,570	26,600	78,060	3,854,037
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	411,498	344,155	353,346	256,595	217,582	130,631	216,170	259,150	182,810	235,200	217,090	167,710	2,991,937
7. Energy Cost of Economy Purchases	47,060	704,507	528,563	853,425	1,849,174	295,172	1,024,890	1,131,250	1,012,690	994,400	573,370	804,220	9,818,721
8. Adj. Big Bend Units 1-4 Igniters Conversion Project	452,629	450,036	447,445	444,855	442,263	439,673	435,871	433,315	430,761	428,203	425,647	423,093	5,253,791
9. Adj. Polk 1 conversion depreciation & ROI	304,255	302,253	300,250	298,249	296,247	294,245	291,931	289,956	287,981	286,006	284,033	282,058	3,517,464
10. Adj. Polk Warm Gas Cleanup	0	0	0	0	0	0	0	0	0	0	0	0	0
11. TOTAL FUEL & NET POWER TRANSACTIONS	50,086,961	43,107,088	43,859,047	48,619,794	62,384,170	60,983,480	65,939,494	65,969,071	61,690,824	55,479,753	43,070,018	48,270,779	649,460,479
12. Jurisdictional MWh Sold	1,475,365	1,295,325	1,311,129	1,432,554	1,667,779	1,750,258	1,899,862	1,883,474	1,974,571	1,723,692	1,416,894	1,389,836	19,220,739
13. Jurisdictional % of Total Sales	1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9984445	0.9984480	0.9988545	0.9998254	1.0000000	0.9998203	-
14. Jurisdictional Total Fuel & Net Power Transactions (Line 11 * Line 13)	50,086,961	43,107,088	43,857,710	48,592,916	62,352,491	60,975,154	65,836,925	65,866,687	61,620,157	55,470,066	43,070,018	48,262,105	649,098,278
15. Jurisdictional Loss Multiplier	1.00000	1.00000	1.00018	1.00018	1.00002	1.00002	1.00002	1.00002	1.00002	1.00002	1.00000	1.00002	-
16. Jurisdictional Sales Adjusted for Line Losses (Line 14 * Line 15)	50,086,961	43,107,088	43,865,604	48,601,663	62,353,738	60,976,374	65,838,242	65,868,004	61,621,389	55,471,175	43,070,018	48,263,070	649,123,326
17. Other	(9,625)	(16)	4,105	0	(14,792)	0	0	0	0	0	0	0	(20,328)
18. JURISD. TOTAL FUEL & NET PWR. TRANS. (LINE 16+17)	50,077,336	43,107,072	43,869,709	48,601,663	62,338,946	60,976,374	65,838,242	65,868,004	61,621,389	55,471,175	43,070,018	48,263,070	649,102,998
19. Cost Per kWh Sold (Cents/kWh)	3.3942	3.3279	3.3459	3.3927	3.7378	3.4839	3.4654	3.4972	3.1207	3.2182	3.0397	3.4726	3.3771
20. True-up (Cents/kWh) ⁽²⁾	(0.6927)	(0.7890)	(0.7795)	(0.7134)	(0.6128)	(0.5839)	(0.5379)	(0.5426)	(0.5176)	(0.5929)	(0.7213)	(0.7353)	(0.6516)
21. Total (Cents/kWh) (Line 19+20)	2.7015	2.5389	2.5664	2.6793	3.1250	2.9000	2.9275	2.9546	2.6031	2.6253	2.3184	2.7373	2.7255
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)	2.7034	2.5407	2.5682	2.6812	3.1273	2.9021	2.9296	2.9567	2.6050	2.6272	2.3201	2.7393	2.7275
24. GPIF Adjusted for Taxes (Cents/kWh) ⁽²⁾	0.0055	0.0062	0.0062	0.0056	0.0048	0.0046	0.0043	0.0043	0.0041	0.0047	0.0057	0.0058	0.0052
25. TOTAL RECOVERY FACTOR (LINE 23+24)	2.7089	2.5469	2.5744	2.6868	3.1321	2.9067	2.9339	2.9610	2.6091	2.6319	2.3258	2.7451	2.7327
26. RECOVERY FACTOR ROUNDED TO NEAREST 0.001 CENTS/KWH	2.709	2.547	2.574	2.687	3.132	2.907	2.934	2.961	2.609	2.632	2.326	2.745	2.733

⁽¹⁾ Includes Gains

⁽²⁾ Based on Jurisdictional Sales Only

TAMPA ELECTRIC COMPANY
 GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
 ACTUAL FOR THE PERIOD: JANUARY 2017 THROUGH JUNE 2017

SCHEDULE E3

	ACTUAL					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
FUEL COST OF SYSTEM NET GENERATION (\$)						
1. HEAVY OIL	0	0	0	0	0	0
2. LIGHT OIL	0	0	0	0	0	0
3. COAL	24,095,967	20,973,102	14,101,595	16,987,481	20,507,333	25,587,875
4. NATURAL GAS	24,850,511	20,325,136	28,136,560	30,988,056	40,723,479	34,651,096
5. NUCLEAR	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0
7. TOTAL (\$)	48,946,478	41,298,238	42,238,155	47,975,537	61,230,812	60,238,971
SYSTEM NET GENERATION (MWH)						
8. HEAVY OIL	0	0	0	0	0	0
9. LIGHT OIL	0	0	0	0	0	0
10. COAL	782,020	679,495	441,331	556,696	625,496	729,245
11. NATURAL GAS	678,185	580,005	1,017,087	1,092,669	1,276,596	1,119,381
12. NUCLEAR	0	0	0	0	0	0
13. OTHER	490	3,162	4,879	5,169	5,580	3,681
14. TOTAL (MWH)	1,460,695	1,262,662	1,463,297	1,654,534	1,907,672	1,852,307
UNITS OF FUEL BURNED						
15. HEAVY OIL (BBL)	0	0	0	0	0	0
16. LIGHT OIL (BBL)	0	0	0	0	0	0
17. COAL (TON)	326,104	289,996	195,713	241,840	285,922	329,281
18. NATURAL GAS (MCF)	5,166,093	4,413,807	7,280,323	7,892,782	9,492,717	8,141,667
19. NUCLEAR (MMBTU)	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0
BTUS BURNED (MMBTU)						
21. HEAVY OIL	0	0	0	0	0	0
22. LIGHT OIL	0	0	0	0	0	0
23. COAL	8,303,384	7,252,300	4,739,430	5,811,428	6,840,273	7,977,130
24. NATURAL GAS	5,290,081	4,519,738	7,447,771	8,066,423	9,711,050	8,274,212
25. NUCLEAR	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0
27. TOTAL (MMBTU)	13,593,465	11,772,038	12,187,201	13,877,851	16,551,323	16,251,341
GENERATION MIX (% MWH)						
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.00	0.00	0.00	0.00	0.00	0.00
30. COAL	53.54	53.81	30.16	33.65	32.79	39.37
31. NATURAL GAS	46.43	45.94	69.51	66.04	66.92	60.43
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.03	0.25	0.33	0.31	0.29	0.20
34. TOTAL (%)	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST PER UNIT						
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
37. COAL (\$/TON)	73.89	72.32	72.05	70.24	71.72	77.71
38. NATURAL GAS (\$/MCF)	4.81	4.60	3.86	3.93	4.29	4.26
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
FUEL COST PER MMBTU (\$/MMBTU)						
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	0.00	0.00	0.00	0.00	0.00	0.00
43. COAL	2.90	2.89	2.98	2.92	3.00	3.21
44. NATURAL GAS	4.70	4.50	3.78	3.84	4.19	4.19
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
47. TOTAL (\$/MMBTU)	3.60	3.51	3.47	3.46	3.70	3.71
BTU BURNED PER KWH (BTU/KWH)						
48. HEAVY OIL	0	0	0	0	0	0
49. LIGHT OIL	0	0	0	0	0	0
50. COAL	10,618	10,673	10,739	10,439	10,936	10,939
51. NATURAL GAS	7,800	7,793	7,323	7,382	7,607	7,392
52. NUCLEAR	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	9,306	9,323	8,329	8,388	8,676	8,774
GENERATED FUEL COST PER KWH (CENTS/KWH)						
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	0.00	0.00	0.00	0.00	0.00	0.00
57. COAL	3.08	3.09	3.20	3.05	3.28	3.51
58. NATURAL GAS	3.66	3.50	2.77	2.84	3.19	3.10
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
61. TOTAL (CENTS/KWH)	3.35	3.27	2.89	2.90	3.21	3.25

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ESTIMATED FOR THE PERIOD: JULY 2017 THROUGH DECEMBER 2017

SCHEDULE E3

	Estimated						TOTAL
	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
FUEL COST OF SYSTEM NET GENERATION (\$)							
1. HEAVY OIL	0	0	0	0	0	0	0
2. LIGHT OIL	63,742	50,993	53,543	66,291	40,795	66,291	341,655
3. COAL	17,927,333	16,865,628	12,365,034	14,639,751	10,315,097	14,237,654	208,603,850
4. NATURAL GAS	45,709,322	46,592,277	47,058,325	38,564,400	31,225,587	32,264,811	421,089,560
5. NUCLEAR	0	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0	0
7. TOTAL (\$)	63,700,397	63,508,898	59,476,902	53,270,442	41,581,479	46,568,756	630,035,065
SYSTEM NET GENERATION (MWH)							
8. HEAVY OIL	0	0	0	0	0	0	0
9. LIGHT OIL	280	220	220	280	180	280	1,460
10. COAL	561,040	560,070	433,290	513,380	376,780	502,610	6,761,453
11. NATURAL GAS	1,423,260	1,446,460	1,464,780	1,153,260	964,280	948,860	13,164,823
12. NUCLEAR	0	0	0	0	0	0	0
13. OTHER	4,450	4,290	3,560	3,680	3,130	2,800	44,871
14. TOTAL (MWH)	1,989,030	2,011,040	1,901,850	1,670,600	1,344,370	1,454,550	19,972,607
UNITS OF FUEL BURNED							
15. HEAVY OIL (BBL)	0	0	0	0	0	0	0
16. LIGHT OIL (BBL)	500	400	420	520	320	520	2,680
17. COAL (TON)	240,350	239,990	193,480	220,690	157,700	213,450	2,934,516
18. NATURAL GAS (MCF)	10,179,170	10,325,820	10,501,910	8,393,880	6,744,210	6,775,230	95,307,609
19. NUCLEAR (MMBTU)	0	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0	0
BTUS BURNED (MMBTU)							
21. HEAVY OIL	0	0	0	0	0	0	0
22. LIGHT OIL	2,940	2,360	2,440	2,960	1,820	2,960	15,480
23. COAL	5,788,030	5,782,640	4,486,370	5,306,360	3,878,990	5,169,500	71,335,834
24. NATURAL GAS	10,446,140	10,590,420	10,771,020	8,585,770	6,920,590	6,929,750	97,552,965
25. NUCLEAR	0	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0	0
27. TOTAL (MMBTU)	16,237,110	16,375,420	15,259,830	13,895,090	10,801,400	12,102,210	168,904,278
GENERATION MIX (% MWH)							
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.01	0.01	0.01	0.02	0.01	0.02	0.01
30. COAL	28.21	27.85	22.78	30.73	28.03	34.56	33.86
31. NATURAL GAS	71.56	71.93	77.02	69.03	71.73	65.23	65.91
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.22	0.21	0.19	0.22	0.23	0.19	0.22
34. TOTAL (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST PER UNIT							
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
37. COAL (\$/TON)	74.59	70.28	63.91	66.34	65.41	66.70	71.09
38. NATURAL GAS (\$/MCF)	4.49	4.51	4.48	4.59	4.63	4.76	4.42
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
FUEL COST PER MMBTU (\$/MMBTU)							
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	21.68	21.61	21.94	22.40	22.41	22.40	22.07
43. COAL	3.10	2.92	2.76	2.76	2.66	2.75	2.92
44. NATURAL GAS	4.38	4.40	4.37	4.49	4.51	4.66	4.32
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
47. TOTAL (\$/MMBTU)	3.92	3.88	3.90	3.83	3.85	3.85	3.73
BTU BURNED PER KWH (BTU/KWH)							
48. HEAVY OIL	0	0	0	0	0	0	0
49. LIGHT OIL	10,500	10,727	11,091	10,571	10,111	10,571	10,603
50. COAL	10,317	10,325	10,354	10,336	10,295	10,285	10,550
51. NATURAL GAS	7,340	7,322	7,353	7,445	7,177	7,303	7,410
52. NUCLEAR	0	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	8,163	8,143	8,024	8,317	8,035	8,320	8,457
GENERATED FUEL COST PER KWH (CENTS/KWH)							
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	22.77	23.18	24.34	23.68	22.66	23.68	23.40
57. COAL	3.20	3.01	2.85	2.85	2.74	2.83	3.09
58. NATURAL GAS	3.21	3.22	3.21	3.34	3.24	3.40	3.20
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
61. TOTAL (CENTS/KWH)	3.20	3.16	3.13	3.19	3.09	3.20	3.15

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: JULY 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	270	24.2	-	24.2	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,930	27.3	-	27.3	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	4,450	26.6	-	26.6	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	17,620	12.8	-	-	-	NG CO-FIRE	212,260	1,027,985	218,200.0	954,792	5.42	4.50
6. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	385	17,620	6.2	45.4	47.7	12,384	-	-	-	218,200.0	954,792	5.42	-
8. B.B.#2 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
9. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	385	0	0.0	57.2	0.0	0	-	-	-	0.0	0	0.00	-
11. B.B.#3 NAT GAS CO-FIRE	185	10,820	7.9	-	-	-	NG CO-FIRE	108,380	1,028,049	111,420.0	487,517	4.51	4.50
12. B.B.#3 COAL	395	205,630	70.0	-	-	-	COAL	92,040	22,999,674	2,116,890.0	6,561,863	3.19	71.29
13. TOTAL BIG BEND #3	395	216,450	73.7	73.5	89.7	10,295	-	-	-	2,228,310.0	7,049,380	3.26	-
14. B.B.#4 NAT GAS CO-FIRE	175	11,880	9.1	-	-	-	NG CO-FIRE	120,100	1,027,977	123,460.0	540,236	4.55	4.50
15. B.B.#4 COAL	437	225,700	69.4	-	-	-	COAL	101,990	22,999,412	2,345,710.0	7,271,232	3.22	71.29
16. TOTAL BIG BEND #4	437	237,580	73.1	74.1	87.4	10,393	-	-	-	2,469,170.0	7,811,468	3.29	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	14,610	-	15,020.0	65,719	-	4.50
18. BIG BEND 1-4 COAL TOTAL	1,602	431,330	36.2	63.0	78.4	10,346	COAL	194,030	22,999,536	4,462,600.0	13,833,095	3.21	71.29
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	56	3,310	7.9	-	93.8	11,779	GAS	37,920	1,028,217	38,990.0	170,573	5.15	4.50
21. B.B.C.T.#4 TOTAL	56	3,310	7.9	98.3	93.8	11,779	-	-	-	38,990.0	170,573	5.15	-
22. BIG BEND STATION TOTAL	1,658	474,960	38.5	64.2	85.8	10,432	-	-	-	4,954,670.0	16,051,933	3.38	-
23. POLK #1 GASIFIER	220	129,710	79.2	-	97.3	10,218	COAL	46,320	28,614,637	1,325,430.0	4,028,519	3.11	86.97
24. POLK #1 CT GAS	195	12,020	8.3	-	92.0	8,184	GAS	98,620	997,465	98,370.0	430,480	3.58	4.37
25. POLK #1 TOTAL	220	141,730	86.6	71.6	96.8	10,046	-	-	-	1,423,800.0	4,458,999	3.15	-
26. POLK #2 CT (GAS)	150	1,500	1.3	-	100.0	11,227	GAS	16,390	1,027,456	16,840.0	73,724	4.91	4.50
27. POLK #2 CT (OIL)	159	140	0.1	-	17.6	10,500	LGT OIL	250	5,880,000	1,470.0	31,871	22.77	127.48
28. POLK #2 TOTAL	(4) 150	1,640	1.5	-	71.5	11,165	-	-	-	18,310.0	105,595	6.44	-
29. POLK #3 CT GAS	150	1,350	1.2	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	66,394	4.92	4.50
30. POLK #3 CT OIL	159	140	0.1	-	17.6	10,500	LGT OIL	250	5,880,000	1,470.0	31,871	22.77	127.48
31. POLK #3 TOTAL	(4) 150	1,490	1.3	-	69.5	11,168	-	-	-	16,640.0	98,265	6.59	-
32. POLK #4 CT GAS	(4) 150	1,350	1.2	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	66,394	4.92	4.50
33. POLK #5 CT GAS	(4) 150	1,200	1.1	-	100.0	11,242	GAS	13,130	1,027,418	13,490.0	59,062	4.92	4.50
34. POLK #2 ST DUCT FIRING	120	12,270	13.7	-	74.6	8,275	GAS	98,760	1,028,048	101,530.0	444,245	3.62	4.50
35. POLK #2 ST W/O DUCT FIRING	341	652,050	-	-	-	-	GAS	4,286,600	1,028,001	4,406,630.0	19,282,083	2.96	4.50
36. POLK #2 CC TOTAL	1,061	664,320	84.2	97.7	72.1	6,786	GAS	-	-	4,508,160.0	19,726,328	2.97	-
37. POLK STATION TOTAL	1,281	811,730	85.2	93.2	82.8	7,386	-	-	-	5,995,570.0	24,514,643	3.02	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	701	336,960	64.6	96.5	66.8	7,419	GAS	2,431,920	1,027,998	2,500,010.0	10,939,318	3.25	4.50
40. BAYSIDE #2	929	353,330	51.1	96.6	52.8	7,631	GAS	2,622,750	1,028,001	2,696,190.0	11,797,715	3.34	4.50
41. BAYSIDE #3	56	1,690	4.1	98.6	91.5	11,882	GAS	19,540	1,027,636	20,080.0	87,895	5.20	4.50
42. BAYSIDE #4	56	1,050	2.5	98.6	93.8	11,838	GAS	12,090	1,028,122	12,430.0	54,384	5.18	4.50
43. BAYSIDE #5	56	2,600	6.2	98.6	89.3	11,965	GAS	30,260	1,028,090	31,110.0	136,116	5.24	4.50
44. BAYSIDE #6	56	2,260	5.4	98.6	89.7	11,969	GAS	26,320	1,027,736	27,050.0	118,393	5.24	4.50
45. BAYSIDE TOTAL	1,854	697,890	50.6	96.8	59.0	7,576	GAS	5,142,880	1,027,998	5,286,870.0	23,133,821	3.31	4.50
46. SYSTEM	4,815	1,989,030	55.5	84.2	92.2	8,163	-	-	-	16,237,110.0	63,700,397	3.20	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode
(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: AUGUST 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	250	22.4	-	22.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,790	26.3	-	26.3	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	4,290	25.7	-	25.7	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	20,530	14.9	-	-	-	NG CO-FIRE	242,400	1,028,012	249,190.0	1,096,286	5.34	4.52
6. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	385	20,530	7.2	45.4	50.8	12,138	-	-	-	249,190.0	1,096,286	5.34	-
8. B.B.#2 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
9. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	385	0	0.0	57.2	0.0	0	-	-	-	0.0	0	0.00	-
11. B.B.#3 NAT GAS CO-FIRE	185	10,810	7.9	-	-	-	NG CO-FIRE	108,250	1,027,991	111,280.0	489,575	4.53	4.52
12. B.B.#3 COAL	395	205,340	69.9	-	-	-	COAL	91,930	22,998,912	2,114,290.0	6,130,693	2.99	66.69
13. TOTAL BIG BEND #3	395	216,150	73.6	73.5	89.6	10,296	-	-	-	2,225,570.0	6,620,268	3.06	-
14. B.B.#4 NAT GAS CO-FIRE	175	11,840	9.1	-	-	-	NG CO-FIRE	119,800	1,027,963	123,150.0	541,811	4.58	4.52
15. B.B.#4 COAL	437	225,020	69.2	-	-	-	COAL	101,740	22,999,017	2,339,920.0	6,784,908	3.02	66.69
16. TOTAL BIG BEND #4	437	236,860	72.9	74.1	87.1	10,399	-	-	-	2,463,070.0	7,326,719	3.09	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	17,950	-	18,450.0	81,181	-	4.52
18. BIG BEND 1-4 COAL TOTAL	1,602	430,360	36.1	63.0	77.7	10,350	COAL	193,670	22,998,967	4,454,210.0	12,915,601	3.00	66.69
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	56	3,860	9.3	-	90.7	11,907	GAS	44,710	1,027,958	45,960.0	202,207	5.24	4.52
21. B.B.C.T.#4 TOTAL	56	3,860	9.3	98.3	90.7	11,907	-	-	-	45,960.0	202,207	5.24	-
22. BIG BEND STATION TOTAL	1,658	477,400	38.7	64.2	85.6	10,439	-	-	-	4,983,790.0	15,326,661	3.21	-
23. POLK #1 GASIFIER	220	129,710	79.2	-	97.3	10,242	COAL	46,320	28,679,404	1,328,430.0	3,868,846	2.98	83.52
24. POLK #1 CT GAS	195	8,110	5.6	-	86.6	8,238	GAS	70,830	943,244	66,810.0	293,926	3.62	4.15
25. POLK #1 TOTAL	220	137,820	84.2	71.6	96.6	10,124	-	-	-	1,395,240.0	4,162,772	3.02	-
26. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
27. POLK #2 CT (OIL)	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,497	23.18	127.49
28. POLK #2 TOTAL	(4) 150	110	0.1	-	17.3	10,727	-	-	-	1,180.0	25,497	23.18	-
29. POLK #3 CT GAS	150	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	25,496	23.18	127.48
31. POLK #3 TOTAL	(4) 150	110	0.1	-	17.3	10,727	-	-	-	1,180.0	25,496	23.18	-
32. POLK #4 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #2 ST DUCT FIRING	120	15,080	16.9	-	83.8	8,271	GAS	121,340	1,027,938	124,730.0	548,776	3.64	4.52
35. POLK #2 ST W/O DUCT FIRING	341	668,070	-	-	-	-	GAS	4,392,740	1,027,996	4,515,720.0	19,866,740	2.97	4.52
36. POLK #2 CC TOTAL	1,061	683,150	86.5	97.7	73.0	6,793	GAS	-	-	4,640,450.0	20,415,516	2.99	-
37. POLK STATION TOTAL	1,281	821,190	86.2	93.2	82.7	7,353	-	-	-	6,038,050.0	24,629,281	3.00	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	701	351,140	67.3	96.5	69.2	7,401	GAS	2,527,950	1,027,999	2,598,730.0	11,432,984	3.26	4.52
40. BAYSIDE #2	929	350,350	50.7	96.6	52.3	7,636	GAS	2,602,380	1,027,997	2,675,240.0	11,769,605	3.36	4.52
41. BAYSIDE #3	56	1,510	3.6	98.6	89.9	12,007	GAS	17,640	1,027,778	18,130.0	79,779	5.28	4.52
42. BAYSIDE #4	56	1,120	2.7	98.6	95.2	11,768	GAS	12,830	1,027,280	13,180.0	58,025	5.18	4.52
43. BAYSIDE #5	56	2,070	5.0	98.6	90.2	11,961	GAS	24,090	1,027,812	24,760.0	108,950	5.26	4.52
44. BAYSIDE #6	56	1,970	4.7	98.6	90.2	11,949	GAS	22,910	1,027,499	23,540.0	103,613	5.26	4.52
45. BAYSIDE TOTAL	1,854	708,160	51.3	96.8	59.8	7,560	GAS	5,207,800	1,027,993	5,353,580.0	23,552,956	3.33	4.52
46. SYSTEM	4,815	2,011,040	56.1	84.2	93.3	8,143	-	-	-	16,375,420.0	63,508,898	3.16	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode
(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: SEPTEMBER 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	220	19.1	-	19.1	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	210	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,130	22.5	-	22.5	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	3,560	22.0	-	22.0	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	8,750	6.6	-	-	-	NG CO-FIRE	98,450	1,027,933	101,200.0	442,167	5.05	4.49
6. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	385	8,750	3.2	45.4	59.8	11,566	-	-	-	101,200.0	442,167	5.05	-
8. B.B.#2 NAT GAS CO-FIRE	185	24,500	18.4	-	-	-	NG CO-FIRE	274,060	1,027,987	281,730.0	1,230,882	5.02	4.49
9. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	385	24,500	8.8	57.2	51.3	11,499	-	-	-	281,730.0	1,230,882	5.02	-
11. B.B.#3 NAT GAS CO-FIRE	185	10,450	7.8	-	-	-	NG CO-FIRE	104,680	1,027,990	107,610.0	470,148	4.50	4.49
12. B.B.#3 COAL	395	198,540	69.8	-	-	-	COAL	88,900	22,999,550	2,044,660.0	5,556,734	2.80	62.51
13. TOTAL BIG BEND #3	395	208,990	73.5	73.5	89.4	10,298	-	-	-	2,152,270.0	6,026,882	2.88	-
14. B.B.#4 NAT GAS CO-FIRE	175	11,470	9.1	-	-	-	NG CO-FIRE	116,060	1,028,003	119,310.0	521,259	4.54	4.49
15. B.B.#4 COAL	437	217,930	69.3	-	-	-	COAL	98,560	23,000,710	2,266,950.0	6,160,538	2.83	62.51
16. TOTAL BIG BEND #4	437	229,400	72.9	74.1	86.9	10,402	-	-	-	2,386,260.0	6,681,797	2.91	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	21,290	-	21,880.0	95,619	-	4.49
18. BIG BEND 1-4 COAL TOTAL	1,602	416,470	36.1	63.0	74.3	10,353	COAL	187,460	23,000,160	4,311,610.0	11,717,272	2.81	62.51
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	56	3,370	8.4	-	94.0	11,742	GAS	38,500	1,027,792	39,570.0	172,914	5.13	4.49
21. B.B.C.T.#4 TOTAL	56	3,370	8.4	98.3	94.0	11,742	-	-	-	39,570.0	172,914	5.13	-
22. BIG BEND STATION TOTAL	1,658	475,010	39.8	64.2	84.3	10,444	-	-	-	4,961,030.0	14,650,260	3.08	-
23. POLK #1 GASIFIER	220	16,820	10.6	-	96.8	10,390	COAL	6,020	29,029,900	174,760.0	552,143	3.28	91.72
24. POLK #1 CT GAS	195	13,330	9.5	-	97.7	8,250	GAS	109,900	1,000,637	109,970.0	480,478	3.60	4.37
25. POLK #1 TOTAL	220	30,150	19.0	9.5	97.2	9,444	-	-	-	284,730.0	1,032,621	3.42	-
26. POLK #2 CT (GAS)	150	1,780	1.6	-	98.9	11,242	GAS	19,460	1,028,263	20,010.0	87,399	4.91	4.49
27. POLK #2 CT (OIL)	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,771	24.34	127.48
28. POLK #2 TOTAL	(4) 150	1,890	1.8	-	77.6	11,233	-	-	-	21,230.0	114,170	6.04	-
29. POLK #3 CT GAS	150	1,770	1.6	-	98.3	11,215	GAS	19,310	1,027,965	19,850.0	86,727	4.90	4.49
30. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,772	24.34	127.49
31. POLK #3 TOTAL	(4) 150	1,880	1.7	-	77.2	11,207	-	-	-	21,070.0	113,499	6.04	-
32. POLK #4 CT GAS	(4) 150	1,500	1.4	-	100.0	11,167	GAS	16,300	1,027,607	16,750.0	73,208	4.88	4.49
33. POLK #5 CT GAS	(4) 150	1,350	1.3	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	66,291	4.91	4.49
34. POLK #2 ST DUCT FIRING	120	12,480	14.4	-	84.6	8,272	GAS	100,420	1,027,982	103,230.0	451,015	3.61	4.49
35. POLK #2 ST W/O DUCT FIRING	341	654,130	-	-	-	-	GAS	4,301,820	1,028,000	4,422,270.0	19,320,695	2.95	4.49
36. POLK #2 CC TOTAL	1,061	666,610	87.3	97.7	75.6	6,789	GAS	-	-	4,525,500.0	19,771,710	2.97	-
37. POLK STATION TOTAL	1,281	703,380	76.3	82.6	79.2	6,944	-	-	-	4,884,450.0	21,171,499	3.01	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	701	354,520	70.2	96.5	72.2	7,380	GAS	2,545,140	1,027,998	2,616,400.0	11,430,946	3.22	4.49
40. BAYSIDE #2	929	359,720	53.8	96.6	55.9	7,591	GAS	2,656,210	1,027,995	2,730,570.0	11,929,794	3.32	4.49
41. BAYSIDE #3	56	1,160	2.9	98.6	94.2	11,905	GAS	13,430	1,028,295	13,810.0	60,318	5.20	4.49
42. BAYSIDE #4	56	910	2.3	98.6	95.6	11,802	GAS	10,440	1,028,736	10,740.0	46,889	5.15	4.49
43. BAYSIDE #5	56	2,190	5.4	98.6	90.9	11,927	GAS	25,420	1,027,537	26,120.0	114,168	5.21	4.49
44. BAYSIDE #6	56	1,400	3.5	98.6	92.6	11,936	GAS	16,260	1,027,675	16,710.0	73,028	5.22	4.49
45. BAYSIDE TOTAL	1,854	719,900	53.9	96.8	63.1	7,521	GAS	5,266,900	1,027,996	5,414,350.0	23,655,143	3.29	4.49
46. SYSTEM	4,815	1,901,850	54.9	81.3	95.0	8,024	-	-	-	15,259,830.0	59,476,902	3.13	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM

CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition

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

(3) AC rating

(4) In Simple Cycle Mode

(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: OCTOBER 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	210	18.8	-	18.8	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,220	22.4	-	22.4	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	3,680	22.0	-	22.0	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	29,430	21.4	-	-	-	NG CO-FIRE	351,640	1,027,983	361,480.0	1,623,663	5.52	4.62
6. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	385	29,430	10.3	45.4	49.0	12,283				361,480.0	1,623,663	5.52	-
8. B.B.#2 NAT GAS CO-FIRE	185	17,380	12.6	-	-	-	NG CO-FIRE	194,420	1,028,032	199,870.0	897,715	5.17	4.62
9. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	385	17,380	6.1	57.2	51.3	11,500				199,870.0	897,715	5.17	-
11. B.B.#3 NAT GAS CO-FIRE	185	10,690	7.8	-	-	-	NG CO-FIRE	107,200	1,027,985	110,200.0	494,985	4.63	4.62
12. B.B.#3 COAL	395	203,140	69.1	-	-	-	COAL	91,030	23,000,549	2,093,740.0	5,617,630	2.77	61.71
13. TOTAL BIG BEND #3	395	213,830	72.8	73.5	88.6	10,307				2,203,940.0	6,112,615	2.86	-
14. B.B.#4 NAT GAS CO-FIRE	175	10,380	8.0	-	-	-	NG CO-FIRE	105,170	1,027,955	108,110.0	485,612	4.68	4.62
15. B.B.#4 COAL	437	197,270	60.7	-	-	-	COAL	89,310	22,999,552	2,054,090.0	5,511,481	2.79	61.71
16. TOTAL BIG BEND #4	437	207,650	63.9	74.1	86.6	10,413				2,162,200.0	5,997,093	2.89	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	35,490	-	36,470.0	163,872	-	4.62
18. BIG BEND 1-4 COAL TOTAL	1,602	400,410	33.6	63.0	69.6	10,359	COAL	180,340	23,000,055	4,147,830.0	11,129,111	2.78	61.71
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	56	2,990	7.2	-	92.1	11,836	GAS	34,430	1,027,883	35,390.0	158,977	5.32	4.62
21. B.B.C.T.#4 TOTAL	56	2,990	7.2	98.3	92.1	11,836	-	-	-	35,390.0	158,977	5.32	-
22. BIG BEND STATION TOTAL	1,658	471,280	38.2	64.2	81.5	10,531	-	-	-	4,962,880.0	14,953,936	3.17	-
23. POLK #1 GASIFIER	220	112,970	69.0	-	97.3	10,255	COAL	40,350	28,712,020	1,158,530.0	3,346,768	2.96	82.94
24. POLK #1 CT GAS	195	11,940	8.2	-	91.4	8,150	GAS	101,090	962,608	97,310.0	437,129	3.66	4.32
25. POLK #1 TOTAL	220	124,910	76.3	71.6	96.7	10,054	-	-	-	1,255,840.0	3,783,897	3.03	-
26. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
27. POLK #2 CT (OIL)	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,146	23.68	127.48
28. POLK #2 TOTAL	(4) 150	140	0.1	-	17.6	10,571	-	-	-	1,480.0	33,146	23.68	-
29. POLK #3 CT GAS	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,145	23.68	127.48
31. POLK #3 TOTAL	(4) 150	140	0.1	-	17.6	10,571	-	-	-	1,480.0	33,145	23.68	-
32. POLK #4 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #2 ST DUCT FIRING	120	10,490	11.7	-	87.4	8,273	GAS	84,420	1,027,955	86,780.0	389,801	3.72	4.62
35. POLK #2 ST W/O DUCT FIRING	341	608,950	-	-	-	-	GAS	4,002,660	1,027,999	4,114,730.0	18,481,889	3.04	4.62
36. POLK #2 CC TOTAL	1,061	619,440	78.5	97.7	70.2	6,783	GAS	-	-	4,201,510.0	18,871,690	3.05	-
37. POLK STATION TOTAL	1,281	744,630	78.1	93.2	80.8	7,333	-	-	-	5,460,310.0	22,721,878	3.05	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	701	271,030	52.0	96.5	57.7	7,502	GAS	1,977,900	1,027,999	2,033,280.0	9,132,759	3.37	4.62
40. BAYSIDE #2	929	172,690	25.0	74.8	41.1	7,831	GAS	1,315,580	1,027,995	1,352,410.0	6,074,561	3.52	4.62
41. BAYSIDE #3	56	1,590	3.8	98.6	94.6	11,730	GAS	18,150	1,027,548	18,650.0	83,806	5.27	4.62
42. BAYSIDE #4	56	1,480	3.6	98.6	94.4	11,872	GAS	17,090	1,028,087	17,570.0	78,911	5.33	4.62
43. BAYSIDE #5	56	2,240	5.4	98.6	93.0	11,813	GAS	25,740	1,027,972	26,460.0	118,852	5.31	4.62
44. BAYSIDE #6	56	1,980	4.8	98.6	93.0	11,884	GAS	22,900	1,027,511	23,530.0	105,739	5.34	4.62
45. BAYSIDE TOTAL	1,854	451,010	32.7	85.9	50.3	7,698	GAS	3,377,360	1,027,992	3,471,900.0	15,594,628	3.46	4.62
46. SYSTEM	4,815	1,670,600	46.6	80.0	89.3	8,317	-	-	-	13,895,090.0	53,270,442	3.19	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM

CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition

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

(3) AC rating

(4) In Simple Cycle Mode

(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: NOVEMBER 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	230	20.0	-	20.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	170	15.7	-	15.7	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,730	19.6	-	19.6	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	3,130	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
6. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	385	0	0.0	45.4	0.0	0	-	-	-	0.0	0	0.00	-
8. B.B.#2 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
9. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	385	0	0.0	57.2	0.0	0	-	-	-	0.0	0	0.00	-
11. B.B.#3 NAT GAS CO-FIRE	185	10,120	7.6	-	-	-	NG CO-FIRE	101,380	1,027,915	104,210.0	470,231	4.65	4.64
12. B.B.#3 COAL	395	192,320	67.6	-	-	-	COAL	86,090	23,000,000	1,980,070.0	5,034,022	2.62	58.47
13. TOTAL BIG BEND #3	395	202,440	71.2	71.0	89.6	10,296	-	-	-	2,084,280.0	5,504,253	2.72	-
14. B.B.#4 NAT GAS CO-FIRE	175	3,100	2.5	-	-	-	NG CO-FIRE	31,520	1,027,919	32,400.0	146,199	4.72	4.64
15. B.B.#4 COAL	437	58,920	18.7	-	-	-	COAL	26,770	22,998,879	615,680.0	1,565,348	2.66	58.47
16. TOTAL BIG BEND #4	437	62,020	19.7	49.4	83.0	10,450	-	-	-	648,080.0	1,711,547	2.76	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	9,180	-	9,440.0	42,580	-	4.64
18. BIG BEND 1-4 COAL TOTAL	1,602	251,240	21.8	55.7	83.6	10,332	COAL	112,860	22,999,734	2,595,750.0	6,599,370	2.63	58.47
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	56	150	0.4	-	89.3	13,133	GAS	1,930	1,020,725	1,970.0	8,952	5.97	4.64
21. B.B.C.T.#4 TOTAL	56	150	0.4	98.3	89.3	13,133	-	-	-	1,970.0	8,952	5.97	-
22. BIG BEND STATION TOTAL	1,658	264,610	22.2	57.1	88.0	10,333	-	-	-	2,734,330.0	7,267,332	2.75	-
23. POLK #1 GASIFIER	220	125,540	79.3	-	97.2	10,222	COAL	44,840	28,618,198	1,283,240.0	3,673,147	2.93	81.92
24. POLK #1 CT GAS	195	2,690	1.9	-	86.2	8,257	GAS	24,530	905,422	22,210.0	100,234	3.73	4.09
25. POLK #1 TOTAL	220	128,230	81.0	71.6	97.0	10,181	-	-	-	1,305,450.0	3,773,381	2.94	-
26. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
27. POLK #2 CT (OIL)	159	90	0.1	-	18.9	10,111	LGT OIL	160	5,687,500	910.0	20,397	22.66	127.48
28. POLK #2 TOTAL	(4) 150	90	0.1	-	18.9	10,111	-	-	-	910.0	20,397	22.66	-
29. POLK #3 CT GAS	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	159	90	0.1	-	18.9	10,111	LGT OIL	160	5,687,500	910.0	20,398	22.66	127.49
31. POLK #3 TOTAL	(4) 150	90	0.1	-	18.9	10,111	-	-	-	910.0	20,398	22.66	-
32. POLK #4 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #2 ST DUCT FIRING	120	560	0.6	-	77.8	8,232	GAS	4,490	1,026,726	4,610.0	20,826	3.72	4.64
35. POLK #2 ST W/O DUCT FIRING	341	609,360	-	-	-	-	GAS	4,005,250	1,028,001	4,117,400.0	18,577,576	3.05	4.64
36. POLK #2 CC TOTAL	1,061	609,920	79.8	97.7	81.1	6,758	GAS	-	-	4,122,010.0	18,598,402	3.05	-
37. POLK STATION TOTAL	1,281	738,330	80.1	93.2	88.1	7,353	-	-	-	5,429,280.0	22,412,578	3.04	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	701	211,750	42.0	90.1	49.4	7,598	GAS	1,565,080	1,027,999	1,608,900.0	7,259,320	3.43	4.64
40. BAYSIDE #2	929	126,400	18.9	96.6	31.3	8,126	GAS	999,180	1,028,003	1,027,160.0	4,634,502	3.67	4.64
41. BAYSIDE #3	56	50	0.1	98.6	89.3	11,200	GAS	540	1,037,037	560.0	2,505	5.01	4.64
42. BAYSIDE #4	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
43. BAYSIDE #5	56	50	0.1	98.6	89.3	12,200	GAS	590	1,033,898	610.0	2,737	5.47	4.64
44. BAYSIDE #6	56	50	0.1	98.6	89.3	11,200	GAS	540	1,037,037	560.0	2,505	5.01	4.64
45. BAYSIDE TOTAL	1,854	338,300	25.3	91.4	40.6	7,797	GAS	2,565,930	1,028,005	2,637,790.0	11,901,569	3.52	4.64
46. SYSTEM	4,815	1,344,370	38.8	79.7	89.1	8,035	-	-	-	10,801,400.0	41,581,479	3.09	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode
(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: DECEMBER 2017

(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) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	220	18.5	-	18.5	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	150	13.4	-	13.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,430	16.9	-	16.9	-	SOLAR	-	-	-	-	-	-
4. TOTAL SOLAR	(3) 22.5	2,800	16.8	-	16.8	-	SOLAR	-	-	-	-	-	-
5. B.B.#1 NAT GAS CO-FIRE	185	6,000	4.4	-	-	-	NG CO-FIRE	71,230	1,028,078	73,230.0	340,932	5.68	4.79
6. B.B.#1 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
7. TOTAL BIG BEND #1	395	6,000	2.0	30.8	46.0	12,205	-	-	-	73,230.0	340,932	5.68	-
8. B.B.#2 NAT GAS CO-FIRE	185	19,980	14.5	-	-	-	NG CO-FIRE	224,740	1,027,988	231,030.0	1,075,685	5.38	4.79
9. B.B.#2 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
10. TOTAL BIG BEND #2	395	19,980	6.8	38.8	48.2	11,563	-	-	-	231,030.0	1,075,685	5.38	-
11. B.B.#3 NAT GAS CO-FIRE	185	7,710	5.6	-	-	-	NG CO-FIRE	76,970	1,027,933	79,120.0	368,406	4.78	4.79
12. B.B.#3 COAL	400	146,470	49.2	-	-	-	COAL	65,360	23,001,224	1,503,360.0	4,027,758	2.75	61.62
13. TOTAL BIG BEND #3	400	154,180	51.8	52.1	88.8	10,264	-	-	-	1,582,480.0	4,396,164	2.85	-
14. B.B.#4 NAT GAS CO-FIRE	175	11,920	9.2	-	-	-	NG CO-FIRE	119,840	1,028,037	123,200.0	573,597	4.81	4.79
15. B.B.#4 COAL	442	226,430	68.9	-	-	-	COAL	101,770	23,000,000	2,340,710.0	6,271,494	2.77	61.62
16. TOTAL BIG BEND #4	442	238,350	72.5	74.1	87.0	10,337	-	-	-	2,463,910.0	6,845,091	2.87	-
17. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	31,310	-	32,180.0	149,861	-	4.79
18. BIG BEND 1-4 COAL TOTAL	1,632	372,900	30.7	49.7	74.3	10,309	COAL	167,130	23,000,479	3,844,070.0	10,299,252	2.76	61.62
19. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
20. B.B.C.T.#4 GAS	61	340	0.7	-	92.9	11,647	GAS	3,840	1,031,250	3,960.0	18,380	5.41	4.79
21. B.B.C.T.#4 TOTAL	61	340	0.7	98.3	92.9	11,647	-	-	-	3,960.0	18,380	5.41	-
22. BIG BEND STATION TOTAL	1,693	418,850	33.3	51.4	83.4	10,397	-	-	-	4,354,610.0	12,826,112	3.06	-
23. POLK #1 GASIFIER	220	129,710	79.2	-	97.3	10,218	COAL	46,320	28,614,637	1,325,430.0	3,788,541	2.92	81.79
24. POLK #1 CT GAS	205	11,150	7.3	-	82.4	8,284	GAS	92,780	995,581	92,370.0	430,102	3.86	4.64
25. POLK #1 TOTAL	220	140,860	86.1	71.6	95.9	10,065	-	-	-	1,417,800.0	4,218,643	2.99	-
26. POLK #2 CT (GAS)	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
27. POLK #2 CT (OIL)	187	140	0.1	-	15.0	10,571	LGT OIL	260	5,692,308	1,480.0	33,146	23.68	127.48
28. POLK #2 TOTAL	(4) 180	140	0.1	-	15.0	10,571	-	-	-	1,480.0	33,146	23.68	-
29. POLK #3 CT GAS	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
30. POLK #3 CT OIL	187	140	0.1	-	15.0	10,571	LGT OIL	260	5,692,308	1,480.0	33,145	23.68	127.48
31. POLK #3 TOTAL	(4) 180	140	0.1	-	15.0	10,571	-	-	-	1,480.0	33,145	23.68	-
32. POLK #4 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
33. POLK #5 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #2 ST DUCT FIRING	120	2,680	3.0	-	74.4	8,160	GAS	21,280	1,027,726	21,870.0	101,854	3.80	4.79
35. POLK #2 ST W/O DUCT FIRING	360	609,090	-	-	-	-	GAS	4,012,590	1,027,999	4,124,940.0	19,205,675	3.15	4.79
36. POLK #2 CC TOTAL	1,200	611,770	68.5	97.7	66.9	6,778	GAS	-	-	4,146,810.0	19,307,529	3.16	-
37. POLK STATION TOTAL	1,420	752,910	71.3	93.7	80.0	7,395	-	-	-	5,567,570.0	23,592,463	3.13	-
38. CITY OF TAMPA GAS	(5) 0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
39. BAYSIDE #1	792	145,160	24.6	65.4	39.1	7,569	GAS	1,068,760	1,028,014	1,098,700.0	5,115,463	3.52	4.79
40. BAYSIDE #2	1,047	134,010	17.2	96.6	29.2	7,996	GAS	1,042,410	1,027,993	1,071,590.0	4,989,344	3.72	4.79
41. BAYSIDE #3	61	100	0.2	98.6	82.0	12,500	GAS	1,024,590	1,024,590	1,250.0	5,839	5.84	4.79
42. BAYSIDE #4	61	220	0.5	98.6	90.2	11,955	GAS	2,560	1,027,344	2,630.0	12,253	5.57	4.79
43. BAYSIDE #5	61	280	0.6	98.6	91.8	11,607	GAS	3,160	1,028,481	3,250.0	15,125	5.40	4.79
44. BAYSIDE #6	61	220	0.5	98.6	90.2	11,864	GAS	2,540	1,027,559	2,610.0	12,157	5.53	4.79
45. BAYSIDE TOTAL	2,083	279,990	18.1	85.0	33.7	7,786	GAS	2,120,650	1,028,001	2,180,030.0	10,150,181	3.63	4.79
46. SYSTEM	5,218	1,454,550	37.5	76.1	83.1	8,320	-	-	-	12,102,210.0	46,568,756	3.20	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

NG = NATURAL GAS
ST = STEAM

CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition

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

(3) AC rating

(4) In Simple Cycle Mode

(5) City of Tampa on long term reserve standby

TAMPA ELECTRIC COMPANY
 SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
 ACTUAL FOR THE PERIOD: JANUARY 2017 THROUGH JUNE 2017

SCHEDULE E5

	ACTUAL					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
HEAVY OIL						
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
LIGHT OIL						
14. PURCHASES:						
15. UNITS (BBL)	0	0	0	0	0	0
16. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
17. AMOUNT (\$)	0	0	0	0	0	0
18. BURNED:						
19. UNITS (BBL)	0	0	0	0	0	0
20. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
21. AMOUNT (\$)	0	0	0	0	0	0
22. ENDING INVENTORY:						
23. UNITS (BBL)	44,488	44,488	44,488	44,488	44,488	44,488
24. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT (\$)	5,671,463	5,671,463	5,671,463	5,671,463	5,671,463	5,671,463
26. DAYS SUPPLY: NORMAL	3,018	3,274	3,593	3,941	4,511	5,074
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6
COAL						
28. PURCHASES:						
29. UNITS (TONS)	231,097	263,607	383,516	345,265	315,325	341,611
30. UNIT COST (\$/TON)	82.97	73.26	67.75	71.99	73.31	72.01
31. AMOUNT (\$)	19,174,084	19,312,768	25,983,621	24,854,940	23,116,828	24,597,761
32. BURNED:						
33. UNITS (TONS)	326,104	289,996	195,713	241,840	285,922	329,281
34. UNIT COST (\$/TON)	73.89	72.32	72.05	70.24	71.72	77.71
35. AMOUNT (\$)	24,095,967	20,973,102	14,101,595	16,987,481	20,507,333	25,587,875
36. ENDING INVENTORY:						
37. UNITS (TONS)	232,698	206,309	394,112	497,537	526,940	539,270
38. UNIT COST (\$/TON)	70.86	72.93	69.76	72.29	74.51	73.43
39. AMOUNT (\$)	16,488,053	15,045,585	27,495,127	35,969,249	39,263,288	39,595,944
40. DAYS SUPPLY:	23	20	37	47	50	45
NATURAL GAS						
41. PURCHASES:						
42. UNITS (MCF)	4,935,919	4,536,743	7,213,157	7,973,416	9,621,092	8,132,465
43. UNIT COST (\$/MCF)	4.94	4.60	3.90	3.93	4.30	4.29
44. AMOUNT (\$)	24,376,338	20,888,335	28,098,424	31,307,466	41,365,542	34,881,167
45. BURNED:						
46. UNITS (MCF)	5,166,093	4,413,807	7,280,323	7,892,782	9,492,717	8,141,667
47. UNIT COST (\$/MCF)	4.81	4.60	3.86	3.93	4.29	4.26
48. AMOUNT (\$)	24,850,511	20,325,136	28,136,560	30,988,056	40,723,479	34,651,096
49. ENDING INVENTORY:						
50. UNITS (MCF)	738,657	861,593	794,427	875,061	1,003,436	994,234
51. UNIT COST (\$/MCF)	3.00	3.09	3.08	2.95	3.16	3.20
52. AMOUNT (\$)	2,215,095	2,659,195	2,449,202	2,581,994	3,170,675	3,179,847
53. DAYS SUPPLY:	4	4	4	4	4	4
NUCLEAR						
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
OTHER						
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 2017 THROUGH DECEMBER 2017

SCHEDULE E5

	Jul-17	Aug-17	Estimated Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
HEAVY OIL							
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	-
LIGHT OIL							
14. PURCHASES:							
15. UNITS (BBL)	0	0	0	0	0	0	0
16. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17. AMOUNT (\$)	0	0	0	0	0	0	0
18. BURNED:							
19. UNITS (BBL)	500	400	420	520	320	520	2,680
20. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
21. AMOUNT (\$)	63,742	50,993	53,543	66,291	40,795	66,291	341,655
22. ENDING INVENTORY:							
23. UNITS (BBL)	43,988	43,588	43,168	42,648	42,328	41,808	41,808
24. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT (\$)	5,607,722	5,556,729	5,503,186	5,436,894	5,396,100	5,329,809	5,329,809
26. DAYS SUPPLY: NORMAL	2,973	3,002	2,918	2,883	2,861	2,826	-
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6	
COAL							
28. PURCHASES:							
29. UNITS (TONS)	295,000	160,000	250,000	240,000	164,000	180,000	3,169,421
30. UNIT COST (\$/TON)	71.64	54.73	59.30	61.35	57.32	76.09	69.28
31. AMOUNT (\$)	21,132,857	8,756,517	14,823,812	14,722,936	9,400,303	13,696,125	219,572,552
32. BURNED:							
33. UNITS (TONS)	240,350	239,990	193,480	220,690	157,700	213,450	2,934,516
34. UNIT COST (\$/TON)	74.59	70.28	63.91	66.34	65.41	66.70	71.09
35. AMOUNT (\$)	17,927,333	16,865,628	12,365,034	14,639,751	10,315,097	14,237,654	208,603,850
36. ENDING INVENTORY:							
37. UNITS (TONS)	646,008	566,018	622,538	641,848	648,148	614,698	614,698
38. UNIT COST (\$/TON)	70.65	66.65	64.86	63.55	61.74	64.62	64.62
39. AMOUNT (\$)	45,643,623	37,725,110	40,378,627	40,787,123	40,014,458	39,719,771	39,719,771
40. DAYS SUPPLY:	88	80	99	100	99	87	-
NATURAL GAS							
41. PURCHASES:							
42. UNITS (MCF)	10,352,252	10,325,820	10,501,910	8,199,327	6,501,020	6,775,230	95,068,351
43. UNIT COST (\$/MCF)	4.51	4.53	4.49	4.65	4.68	4.80	4.44
44. AMOUNT (\$)	46,708,250	46,734,670	47,142,339	38,090,916	30,455,161	32,516,398	422,565,006
45. BURNED:							
46. UNITS (MCF)	10,179,170	10,325,820	10,501,910	8,393,880	6,744,210	6,775,230	95,307,609
47. UNIT COST (\$/MCF)	4.49	4.51	4.48	4.59	4.63	4.76	4.42
48. AMOUNT (\$)	45,709,322	46,592,277	47,058,325	38,564,400	31,225,587	32,264,811	421,089,560
49. ENDING INVENTORY:							
50. UNITS (MCF)	1,167,315	1,167,315	1,167,315	972,763	729,572	729,572	729,572
51. UNIT COST (\$/MCF)	3.51	3.54	3.52	3.54	3.59	3.71	3.71
52. AMOUNT (\$)	4,099,920	4,134,720	4,110,000	3,443,000	2,616,450	2,704,200	2,704,200
53. DAYS SUPPLY:	4	4	4	3	3	3	-
NUCLEAR							
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
OTHER							
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 2017 THROUGH JUNE 2017

SCHEDULE E6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
MONTH	SOLD TO	TYPE & SCHEDULE	MWH			CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST	GAINS ON MARKET BASED SALES	
			TOTAL	FROM	MWH	(A)	(B)				
			MWH SOLD	OTHER SYSTEMS	FROM OWN GENERATION	FUEL COST	TOTAL COST				
ACTUAL											
Jan-17	SEMINOLE	JURISD.	SCH. - D	276.0	0.0	276.0	2.026	2.228	5,590.79	6,149.87	395.29
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	2,522.0	0.0	2,522.0	2.198	2.678	55,425.48	67,538.74	6,409.96
	VARIOUS	JURISD.	SCH. - MA	10,996.0	0.0	10,996.0	2.411	3.339	265,085.08	367,206.89	78,456.26
	TOTAL			13,794.0	0.0	13,794.0	2.364	3.196	326,101.35	440,895.50	85,261.51
ACTUAL											
Feb-17	SEMINOLE	JURISD.	SCH. - D	232.0	0.0	232.0	2.027	2.230	4,702.30	5,172.53	307.32
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	5,156.0	0.0	5,156.0	2.020	2.375	104,154.71	122,438.33	8,512.95
	VARIOUS	JURISD.	SCH. - MA	4,563.0	0.0	4,563.0	1.984	2.363	90,529.27	107,804.29	7,447.34
	TOTAL			9,951.0	0.0	9,951.0	2.004	2.366	199,386.28	235,415.15	16,267.61
ACTUAL											
Mar-17	SEMINOLE	JURISD.	SCH. - D	255.0	0.0	255.0	1.943	2.138	4,955.41	5,450.95	313.49
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	4,010.0	0.0	4,010.0	1.883	2.260	75,513.96	90,613.74	7,721.61
	VARIOUS	JURISD.	SCH. - MA	8,386.0	0.0	8,386.0	2.235	2.957	187,402.64	247,988.98	43,796.86
	TOTAL			12,651.0	0.0	12,651.0	2.117	2.720	267,872.01	344,053.67	51,831.96
ACTUAL											
Apr-17	SEMINOLE	JURISD.	SCH. - D	139.0	0.0	139.0	2.106	2.317	2,927.75	3,220.52	214.30
	VARIOUS	JURISD.	SCH. - C	1.0	0.0	1.0	0.209	2.497	2.09	24.97	3.31
	VARIOUS	JURISD.	SCH. - CB	3,895.0	0.0	3,895.0	1.935	2.318	75,376.97	90,283.66	7,521.30
	VARIOUS	JURISD.	SCH. - MA	50,907.0	0.0	50,907.0	2.339	3.497	1,190,732.95	1,780,103.58	473,084.58
	TOTAL			54,942.0	0.0	54,942.0	2.310	3.410	1,269,039.76	1,873,632.73	480,823.49
ACTUAL											
May-17	SEMINOLE	JURISD.	SCH. - D	64.0	0.0	64.0	2.045	2.250	1,309.01	1,439.91	91.14
	VARIOUS	JURISD.	SCH. - C	67.0	0.0	67.0	0.209	2.790	140.03	1,869.56	283.50
	VARIOUS	JURISD.	SCH. - CB	2,177.0	0.0	2,177.0	1.976	2.329	43,015.46	50,697.24	4,432.88
	VARIOUS	JURISD.	SCH. - MA	65,490.0	0.0	65,490.0	2.572	3.584	1,684,119.43	2,347,097.53	514,689.55
	TOTAL			67,798.0	0.0	67,798.0	2.550	3.542	1,728,583.93	2,401,104.24	519,497.07
ACTUAL											
Jun-17	SEMINOLE	JURISD.	SCH. - D	526.0	0.0	526.0	2.023	2.226	10,642.90	11,707.19	705.23
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	1,838.0	0.0	1,838.0	1.818	2.200	33,419.63	40,443.51	3,674.22
	VARIOUS	JURISD.	SCH. - MA	20,777.0	0.0	20,777.0	2.270	3.413	471,568.60	709,101.69	192,860.73
	TOTAL			23,141.0	0.0	23,141.0	2.228	3.290	515,631.13	761,252.39	197,240.18

TAMPA ELECTRIC COMPANY
 POWER SOLD
 ESTIMATED FOR THE PERIOD: JULY 2017 THROUGH DECEMBER 2017

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				
ESTIMATED											
Jul-17	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.905	3.102	29,340.00	31,335.00	1,995.00
	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	1,020.0	0.0	1,020.0	3.412	3.754	34,805.61	38,290.00	3,484.39
	TOTAL			2,030.0	0.0	2,030.0	3.160	3.430	64,145.61	69,625.00	5,479.39
ESTIMATED											
Aug-17	SEMINOLE	JURISD.	SCH. - D	1,000.0	0.0	1,000.0	2.998	3.202	29,980.00	32,018.00	2,038.00
	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	1,010.0	0.0	1,010.0	2.831	3.115	28,597.14	31,460.00	2,862.86
	TOTAL			2,010.0	0.0	2,010.0	2.914	3.158	58,577.14	63,478.00	4,900.86
ESTIMATED											
Sep-17	SEMINOLE	JURISD.	SCH. - D	1,000.0	0.0	1,000.0	2.897	3.094	28,970.00	30,940.00	1,970.00
	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	2.988	3.287	27,788.13	30,570.00	2,781.87
	TOTAL			1,930.0	0.0	1,930.0	2.941	3.187	56,758.13	61,510.00	4,751.87
ESTIMATED											
Oct-17	SEMINOLE	JURISD.	SCH. - D	730.0	0.0	730.0	2.958	3.159	21,590.00	23,058.00	1,468.00
	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	3.540	3.895	40,005.09	44,010.00	4,004.91
	TOTAL			1,860.0	0.0	1,860.0	3.312	3.606	61,595.09	67,068.00	5,472.91
ESTIMATED											
Nov-17	SEMINOLE	JURISD.	SCH. - D	650.0	0.0	650.0	2.740	2.926	17,810.00	19,021.00	1,211.00
	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	700.0	0.0	700.0	2.491	2.740	17,434.62	19,180.00	1,745.38
	TOTAL			1,350.0	0.0	1,350.0	2.611	2.830	35,244.62	38,201.00	2,956.38
ESTIMATED											
Dec-17	SEMINOLE	JURISD.	SCH. - D	580.0	0.0	580.0	2.860	3.055	16,590.00	17,718.00	1,128.00
	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	2.848	3.133	32,178.60	35,400.00	3,221.40
	TOTAL			1,710.0	0.0	1,710.0	2.852	3.106	48,768.60	53,118.00	4,349.40
TOTAL	SEMINOLE	JURISD.	SCH. - D	6,462.0	0.0	6,462.0	2.699	2.897	174,408.16	187,230.97	11,836.77
Jan-17	VARIOUS	JURISD.	SCH. - C	68.0	0.0	68.0	0.209	2.786	142.12	1,894.53	286.81
THRU	VARIOUS	JURISD.	SCH. - CB	19,598.0	0.0	19,598.0	1.974	2.357	386,906.21	462,015.22	38,272.92
Dec-17	VARIOUS	JURISD.	SCH. - MA	167,039.0	0.0	167,039.0	2.437	3.447	4,070,247.16	5,758,212.96	1,328,436.13
	TOTAL			193,167.0	0.0	193,167.0	2.398	3.318	4,631,703.65	6,409,353.68	1,378,832.63

TAMPA ELECTRIC COMPANY
PURCHASED POWER
(EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)
ACTUAL FOR THE PERIOD: JANUARY 2017 THROUGH JUNE 2017

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	
ACTUAL									
Jan-17									
	PASCO COGEN	SCH. - D	2,722.0	0.0	0.0	2,722.0	4.595	4.595	125,083.85
	DUKE ENERGY	SCH. - D	7,020.0	0.0	0.0	7,020.0	2.811	2.811	197,332.28
	VARIOUS	OATT	334.0	0.0	0.0	334.0	4.188	4.188	13,987.53
	TOTAL		10,076.0	0.0	0.0	10,076.0	3.339	3.339	336,403.66
ACTUAL									
Feb-17									
	PASCO COGEN	SCH. - D	5,502.0	0.0	0.0	5,502.0	3.879	3.879	213,401.11
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	479.0	0.0	0.0	479.0	2.119	2.119	10,151.76
	TOTAL		5,981.0	0.0	0.0	5,981.0	3.738	3.738	223,552.87
ACTUAL									
Mar-17									
	PASCO COGEN	SCH. - D	6,728.0	0.0	0.0	6,728.0	4.622	4.622	310,992.41
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		6,728.0	0.0	0.0	6,728.0	4.622	4.622	310,992.41
ACTUAL									
Apr-17									
	PASCO COGEN	SCH. - D	13,286.0	0.0	0.0	13,286.0	4.072	4.072	540,995.84
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		13,286.0	0.0	0.0	13,286.0	4.072	4.072	540,995.84
ACTUAL									
May-17									
	PASCO COGEN	SCH. - D	12,720.0	0.0	0.0	12,720.0	4.687	4.687	596,173.04
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		12,720.0	0.0	0.0	12,720.0	4.687	4.687	596,173.04
ACTUAL									
Jun-17									
	PASCO COGEN	SCH. - D	7,480.0	0.0	0.0	7,480.0	3.941	3.941	294,818.95
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	96.0	0.0	0.0	96.0	2.958	2.958	2,839.55
	TOTAL		7,576.0	0.0	0.0	7,576.0	3.929	3.929	297,658.50

TAMPA ELECTRIC COMPANY
PURCHASED POWER
(EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)
ESTIMATED FOR THE PERIOD: JULY 2017 THROUGH DECEMBER 2017

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-17		
	PASCO COGEN	SCH. - D	8,030.0	0.0	0.0	8,030.0	4.232	4.232	339,860.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		8,030.0	0.0	0.0	8,030.0	4.232	4.232	339,860.00
ESTIMATED Aug-17									
	PASCO COGEN	SCH. - D	9,650.0	0.0	0.0	9,650.0	4.248	4.248	409,980.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		9,650.0	0.0	0.0	9,650.0	4.248	4.248	409,980.00
ESTIMATED Sep-17									
	PASCO COGEN	SCH. - D	8,510.0	0.0	0.0	8,510.0	4.244	4.244	361,190.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		8,510.0	0.0	0.0	8,510.0	4.244	4.244	361,190.00
ESTIMATED Oct-17									
	PASCO COGEN	SCH. - D	7,700.0	0.0	0.0	7,700.0	4.319	4.319	332,570.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		7,700.0	0.0	0.0	7,700.0	4.319	4.319	332,570.00
ESTIMATED Nov-17									
	PASCO COGEN	SCH. - D	570.0	0.0	0.0	570.0	4.667	4.667	26,600.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		570.0	0.0	0.0	570.0	4.667	4.667	26,600.00
ESTIMATED Dec-17									
	PASCO COGEN	SCH. - D	1,660.0	0.0	0.0	1,660.0	4.702	4.702	78,060.00
	DUKE ENERGY	SCH. - D	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		1,660.0	0.0	0.0	1,660.0	4.702	4.702	78,060.00
TOTAL	PASCO COGEN	SCH. - D	84,558.0	0.0	0.0	84,558.0	4.293	4.293	3,629,725.20
Jan-17	DUKE ENERGY	SCH. - D	7,020.0	0.0	0.0	7,020.0	2.811	2.811	197,332.28
THRU	VARIOUS	OATT	909.0	0.0	0.0	909.0	2.968	2.968	26,978.84
Dec-17	TOTAL		92,487.0	0.0	0.0	92,487.0	4.167	4.167	3,854,036.32

TAMPA ELECTRIC COMPANY
ENERGY PAYMENT TO QUALIFYING FACILITIES
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2017 THROUGH DECEMBER 2017

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	VARIOUS	
Jan-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	19,532.0	0.0	0.0	19,532.0	2.107	2.107	411,498.02
	TOTAL		19,532.0	0.0	0.0	19,532.0	2.107	2.107	411,498.02
ACTUAL	VARIOUS	CO-GEN.							
Feb-17		NET METERING	2,180.0	0.0	0.0	2,180.0	2.194	2.194	47,832.71
		AS AVAIL.	14,464.0	0.0	0.0	14,464.0	2.049	2.049	296,321.82
	TOTAL		16,644.0	0.0	0.0	16,644.0	2.068	2.068	344,154.53
ACTUAL	VARIOUS	CO-GEN.							
Mar-17		NET METERING	-1.0	0.0	0.0	-1.0	-58.405	-58.405	584.05
		AS AVAIL.	16,265.0	0.0	0.0	16,265.0	2.169	2.169	352,761.51
	TOTAL		16,264.0	0.0	0.0	16,264.0	2.173	2.173	353,345.56
ACTUAL	VARIOUS	CO-GEN.							
Apr-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	11,485.0	0.0	0.0	11,485.0	2.234	2.234	256,594.53
	TOTAL		11,485.0	0.0	0.0	11,485.0	2.234	2.234	256,594.53
ACTUAL	VARIOUS	CO-GEN.							
May-17		NET METERING	5.2	0.0	0.0	5.2	2.226	2.226	115.77
		AS AVAIL.	10,162.0	0.0	0.0	10,162.0	2.140	2.140	217,466.07
	TOTAL		10,167.2	0.0	0.0	10,167.2	2.140	2.140	217,581.84
ACTUAL	VARIOUS	CO-GEN.							
Jun-17		NET METERING	16.5	0.0	0.0	16.5	0.779	0.779	128.59
		AS AVAIL.	6,202.0	0.0	0.0	6,202.0	2.104	2.104	130,502.32
	TOTAL		6,218.5	0.0	0.0	6,218.5	2.101	2.101	130,630.91
ESTIMATED	VARIOUS	CO-GEN.							
Jul-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,520.0	0.0	0.0	7,520.0	2.875	2.875	216,170.00
	TOTAL		7,520.0	0.0	0.0	7,520.0	2.875	2.875	216,170.00
ESTIMATED	VARIOUS	CO-GEN.							
Aug-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,530.0	0.0	0.0	7,530.0	3.442	3.442	259,150.00
	TOTAL		7,530.0	0.0	0.0	7,530.0	3.442	3.442	259,150.00
ESTIMATED	VARIOUS	CO-GEN.							
Sep-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,520.0	0.0	0.0	7,520.0	2.431	2.431	182,810.00
	TOTAL		7,520.0	0.0	0.0	7,520.0	2.431	2.431	182,810.00
ESTIMATED	VARIOUS	CO-GEN.							
Oct-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,520.0	0.0	0.0	7,520.0	3.128	3.128	235,200.00
	TOTAL		7,520.0	0.0	0.0	7,520.0	3.128	3.128	235,200.00
ESTIMATED	VARIOUS	CO-GEN.							
Nov-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,480.0	0.0	0.0	7,480.0	2.902	2.902	217,090.00
	TOTAL		7,480.0	0.0	0.0	7,480.0	2.902	2.902	217,090.00
ESTIMATED	VARIOUS	CO-GEN.							
Dec-17		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,470.0	0.0	0.0	7,470.0	2.245	2.245	167,710.00
	TOTAL		7,470.0	0.0	0.0	7,470.0	2.245	2.245	167,710.00
TOTAL	VARIOUS	CO-GEN.							
Jan-17		NET METERING	2,200.7	0.0	0.0	2,200.7	2.211	2.211	48,661.12
THRU		AS AVAIL.	123,150.0	0.0	0.0	123,150.0	2.390	2.390	2,943,274.27
Dec-17	TOTAL		125,350.7	0.0	0.0	125,350.7	2.387	2.387	2,991,935.39

TAMPA ELECTRIC COMPANY
 ECONOMY ENERGY PURCHASES
 ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2017 THROUGH DECEMBER 2017

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) CENTS PER KWH	(B) (\$000)	
ACTUAL Jan-17	VARIOUS TOTAL	SCH. - J	1,420.0 1,420.0	0.0 0.0	1,420.0 1,420.0	3.314 3.314	47,060.00 47,060.00	3.701 3.701	52,548.80 52,548.80	5,488.80 5,488.80
ACTUAL Feb-17	VARIOUS TOTAL	SCH. - J	23,878.0 23,878.0	0.0 0.0	23,878.0 23,878.0	2.950 2.950	704,507.00 704,507.00	3.316 3.316	791,912.82 791,912.82	87,405.82 87,405.82
ACTUAL Mar-17	VARIOUS TOTAL	SCH. - J	12,777.0 12,777.0	0.0 0.0	12,777.0 12,777.0	4.137 4.137	528,563.00 528,563.00	4.149 4.149	530,177.00 530,177.00	1,614.00 1,614.00
ACTUAL Apr-17	VARIOUS TOTAL	SCH. - J	16,194.0 16,194.0	0.0 0.0	16,194.0 16,194.0	5.270 5.270	853,425.00 853,425.00	5.272 5.272	853,718.00 853,718.00	293.00 293.00
ACTUAL May-17	VARIOUS TOTAL	SCH. - J	27,970.0 27,970.0	0.0 0.0	27,970.0 27,970.0	6.611 6.611	1,849,174.00 1,849,174.00	6.611 6.611	1,849,174.00 1,849,174.00	0.00 0.00
ACTUAL Jun-17	VARIOUS TOTAL	SCH. - J	6,287.0 6,287.0	0.0 0.0	6,287.0 6,287.0	4.695 4.695	295,172.00 295,172.00	4.697 4.697	295,300.40 295,300.40	128.40 128.40
ESTIMATED Jul-17	VARIOUS TOTAL	ECONOMY	27,890.0 27,890.0	0.0 0.0	27,890.0 27,890.0	3.675 3.675	1,024,890.00 1,024,890.00	6.288 6.288	1,753,630.00 1,753,630.00	728,740.00 728,740.00
ESTIMATED Aug-17	VARIOUS TOTAL	ECONOMY	28,990.0 28,990.0	0.0 0.0	28,990.0 28,990.0	3.902 3.902	1,131,250.00 1,131,250.00	5.752 5.752	1,667,370.00 1,667,370.00	536,120.00 536,120.00
ESTIMATED Sep-17	VARIOUS TOTAL	ECONOMY	28,170.0 28,170.0	0.0 0.0	28,170.0 28,170.0	3.595 3.595	1,012,690.00 1,012,690.00	6.743 6.743	1,899,420.00 1,899,420.00	886,730.00 886,730.00
ESTIMATED Oct-17	VARIOUS TOTAL	ECONOMY	27,590.0 27,590.0	0.0 0.0	27,590.0 27,590.0	3.604 3.604	994,400.00 994,400.00	4.105 4.105	1,132,630.00 1,132,630.00	138,230.00 138,230.00
ESTIMATED Nov-17	VARIOUS TOTAL	ECONOMY	20,820.0 20,820.0	0.0 0.0	20,820.0 20,820.0	2.754 2.754	573,370.00 573,370.00	2.754 2.754	573,370.00 573,370.00	0.00 0.00
ESTIMATED Dec-17	VARIOUS TOTAL	ECONOMY	27,260.0 27,260.0	0.0 0.0	27,260.0 27,260.0	2.950 2.950	804,220.00 804,220.00	4.342 4.342	1,183,610.00 1,183,610.00	379,390.00 379,390.00
TOTAL Jan-17 THRU Dec-17	VARIOUS TOTAL	SCH. - J ECONOMY	88,526.0 160,720.0 249,246.0	0.0 0.0 0.0	88,526.0 160,720.0 249,246.0	4.832 3.447 3.939	4,277,901.00 5,540,820.00 9,818,721.00	4.940 5.108 5.048	4,372,831.02 8,210,030.00 12,582,861.02	94,930.02 2,669,210.00 2,764,140.02

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

**DOCUMENT NO. 2
CAPACITY COST RECOVERY
ACTUAL / ESTIMATED
JANUARY 2017 THROUGH DECEMBER 2017**

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY
CALCULATION OF THE CURRENT (ACTUAL/ESTIMATED) PERIOD TRUE-UP
JANUARY 2017 THROUGH DECEMBER 2017

1.	FINAL OVER/(UNDER) RECOVERY FOR JANUARY 2016 THROUGH DECEMBER 2016	(\$4,411,715)
2.	ACTUAL/ESTIMATED OVER/(UNDER) RECOVERY FOR THE CURRENT PERIOD JANUARY 2017 THROUGH DECEMBER 2017	<u>1,648,777</u>
3.	CURRENT PERIOD TRUE-UP AMOUNT TO BE REFUNDED/(RECOVERED) IN THE PROJECTION PERIOD JANUARY 2018 THROUGH DECEMBER 2018	<u><u>(\$2,762,938)</u></u>

**TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2017 THROUGH DECEMBER 2017**

	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Estimated Jul-17	Estimated Aug-17	Estimated Sep-17	Estimated Oct-17	Estimated Nov-17	Estimated Dec-17	Total
1 UNIT POWER CAPACITY CHARGES	2,267,401	428,660	880,127	936,842	1,038,324	844,758	824,010	824,010	824,010	824,010	824,010	824,010	11,340,172
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 (UNIT POWER CAPACITY REVENUES)	(53,677)	(37,225)	(77,934)	(277,589)	(391,790)	(120,705)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(1,917,840)
4 TOTAL CAPACITY DOLLARS	2,213,724	391,435	802,193	659,253	646,534	724,053	664,190	664,190	664,190	664,190	664,190	664,190	9,422,332
5 SEPARATION FACTOR	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	
6 JURISDICTIONAL CAPACITY DOLLARS	2,204,647	389,831	798,903	656,549	643,883	721,083	661,466	661,466	661,466	661,466	661,466	661,466	9,383,692
7 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	1,053,197	959,744	962,603	1,051,939	1,231,513	1,304,406	1,392,776	1,383,762	1,444,257	1,256,805	1,030,304	1,011,273	14,082,579
8 PRIOR PERIOD TRUE-UP PROVISION	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,838)	(248,842)	(2,986,060)
9 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	804,359	710,906	713,765	803,101	982,675	1,055,568	1,143,938	1,134,924	1,195,419	1,007,967	781,466	762,431	11,096,519
10 TRUE-UP PROVISION FOR MONTH OVER/(UNDER) RECOVERY (Line 9 - Line 6)	(1,400,288)	321,075	(85,138)	146,552	338,792	334,485	482,472	473,458	533,953	346,501	120,000	100,965	1,712,827
11 INTEREST PROVISION FOR MONTH	(4,864)	(4,796)	(5,219)	(5,725)	(5,360)	(5,582)	(6,211)	(6,285)	(5,827)	(5,346)	(4,669)	(4,166)	(64,050)
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	(7,397,775)	(8,554,089)	(7,988,972)	(7,830,491)	(7,440,826)	(6,858,556)	(6,280,815)	(5,555,716)	(4,839,705)	(4,062,741)	(3,472,748)	(3,108,579)	(7,397,775)
14 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS MONTH	248,838	248,838	248,838	248,838	248,838	248,838	248,838	248,838	248,838	248,838	248,838	248,842	2,986,060
15 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 10 - 14)	(8,554,089)	(7,988,972)	(7,830,491)	(7,440,826)	(6,858,556)	(6,280,815)	(5,555,716)	(4,839,705)	(4,062,741)	(3,472,748)	(3,108,579)	(2,762,938)	(2,762,938)

36

**TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2017 THROUGH DECEMBER 2017**

	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Estimated Jul-17	Estimated Aug-17	Estimated Sep-17	Estimated Oct-17	Estimated Nov-17	Estimated Dec-17	Total
1 BEGINNING TRUE-UP AMOUNT	(7,397,775)	(8,554,089)	(7,988,972)	(7,830,491)	(7,440,826)	(6,858,556)	(6,280,815)	(5,555,716)	(4,839,705)	(4,062,741)	(3,472,748)	(3,108,579)	(7,397,775)
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(8,549,225)	(7,984,176)	(7,825,272)	(7,435,101)	(6,853,196)	(6,275,233)	(5,549,505)	(4,833,420)	(4,056,914)	(3,467,402)	(3,103,910)	(2,758,772)	(2,698,888)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT. (LINE 1 + LINE 2)	(15,947,000)	(16,538,265)	(15,814,244)	(15,265,592)	(14,294,022)	(13,133,789)	(11,830,320)	(10,389,136)	(8,896,619)	(7,530,143)	(6,576,658)	(5,867,351)	(10,096,663)
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(7,973,500)	(8,269,133)	(7,907,122)	(7,632,796)	(7,147,011)	(6,566,895)	(5,915,160)	(5,194,568)	(4,448,310)	(3,765,072)	(3,288,329)	(2,933,676)	(5,048,332)
5 INTEREST RATE % - 1ST DAY OF MONTH	0.720	0.740	0.640	0.940	0.860	0.950	1.080	1.450	1.450	1.700	1.700	1.700	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	0.740	0.640	0.940	0.860	0.950	1.080	1.450	1.450	1.700	1.700	1.700	1.700	NA
7 TOTAL (LINE 5 + LINE 6)	1.460	1.380	1.580	1.800	1.810	2.030	2.530	2.900	3.150	3.400	3.400	3.400	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	0.730	0.690	0.790	0.900	0.905	1.015	1.265	1.450	1.575	1.700	1.700	1.700	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.061	0.058	0.066	0.075	0.075	0.085	0.105	0.121	0.131	0.142	0.142	0.142	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	(4,864)	(4,796)	(5,219)	(5,725)	(5,360)	(5,582)	(6,211)	(6,285)	(5,827)	(5,346)	(4,669)	(4,166)	(64,050)

TAMPA ELECTRIC COMPANY
CAPACITY COSTS
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2017 THROUGH DECEMBER 2017

SCHEDULE E12

CONTRACT	TERM		CONTRACT TYPE	
	START	END		
DUKE ENERGY FLORIDA	2/1/2016	2/28/2017	LT	QF = QUALIFYING FACILITY
PASCO COGEN LTD	1/1/2009	12/31/2018	LT	LT = LONG TERM
SEMINOLE ELECTRIC **	6/1/1992	-----	LT	ST = SHORT-TERM

** THREE YEAR NOTICE REQUIRED FOR TERMINATION.

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	-	-	-	-	-	-	-	-	-	-
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	0.4	0.6	0.4	0.04	0.04	2.2	1.5	1.7	1.4	1.4	1.2	1.2

38

TAMPA ELECTRIC COMPANY
CAPACITY COSTS
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2017 THROUGH DECEMBER 2017

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 - CR													
CITY OF TALLAHASSEE													
FLORIDA POWER & LIGHT													
DUKE ENERGY FLORIDA													
JACKSONVILLE ELECTRIC AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
DUKE ENERGY FLORIDA - CB													
ORLANDO UTILITIES - CB													
REEDY CREEK - CB													
VARIOUS - MA													
CARGILL ALLIANT - MA													
DUKE ENERGY FLORIDA - MA													
FLORIDA POWER & LIGHT - MA													
CITY OF LAKE LAND - MA													
ORLANDO UTILITIES - MA													
EXGEN - MA													
REEDY CREEK - MA													
SEMINOLE ELECTRIC - MA													
THE ENERGY AUTHORITY - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	\$ 2,213,725	\$ 391,435	\$ 802,193	\$ 659,252	\$ 646,534	\$ 724,053	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 9,422,332
TOTAL CAPACITY	\$ 2,213,725	\$ 391,435	\$ 802,193	\$ 659,252	\$ 646,534	\$ 724,053	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 664,190	\$ 9,422,332

39

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

DOCUMENT NO. 3

**CAPITAL PROJECTS APPROVED FOR
FUEL CLAUSE RECOVERY**

JANUARY 2017 - DECEMBER 2017

**POLK 1 CONVERSION
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017**

	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	\$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	\$11,297,899	\$11,567,125	\$11,836,350	\$12,105,575	\$12,374,800	\$12,644,025	\$12,913,250	\$13,182,475	\$13,451,700	\$13,720,925	\$13,990,150	\$14,259,375	\$11,297,899
12 ENDING BALANCE DEPRECIATION	\$11,567,125	\$11,836,350	\$12,105,575	\$12,374,800	\$12,644,025	\$12,913,250	\$13,182,475	\$13,451,700	\$13,720,925	\$13,990,150	\$14,259,375	\$14,528,600	\$14,528,600
13													
14													
15 ENDING NET INVESTMENT	\$4,576,826	\$4,307,601	\$4,038,376	\$3,769,151	\$3,499,926	\$3,230,701	\$2,961,476	\$2,692,251	\$2,423,026	\$2,153,801	\$1,884,575	\$1,615,350	\$1,615,350
16													
17													
18 AVERAGE INVESTMENT	\$4,711,439	\$4,442,214	\$4,172,989	\$3,903,763	\$3,634,538	\$3,365,313	\$3,096,088	\$2,826,863	\$2,557,638	\$2,288,413	\$2,019,188	\$1,749,963	
19 ALLOWED EQUITY RETURN	.35878%	.35878%	.35878%	.35878%	.35878%	.35878%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	
20 EQUITY COMPONENT AFTER-TAX	\$16,904	\$15,938	\$14,972	\$14,006	\$13,040	\$12,074	\$11,072	\$10,109	\$9,146	\$8,183	\$7,221	\$6,258	\$138,923
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	\$27,591	\$26,014	\$24,437	\$22,861	\$21,284	\$19,707	\$18,072	\$16,500	\$14,928	\$13,356	\$11,786	\$10,214	\$226,750
23													
24 ALLOWED DEBT RETURN	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	
25 DEBT COMPONENT	\$7,439	\$7,014	\$6,588	\$6,163	\$5,738	\$5,313	\$4,634	\$4,231	\$3,828	\$3,425	\$3,022	\$2,619	\$60,014
26													
27 TOTAL RETURN REQUIREMENTS	\$35,030	\$33,028	\$31,025	\$29,024	\$27,022	\$25,020	\$22,706	\$20,731	\$18,756	\$16,781	\$14,808	\$12,833	\$286,764
28													
29 TOTAL DEPRECIATION & RETURN	\$304,255	\$302,253	\$300,250	\$298,249	\$296,247	\$294,245	\$291,931	\$289,956	\$287,981	\$286,006	\$284,033	\$282,058	\$3,517,464
30													
31 ESTIMATED FUEL SAVINGS	\$4,784,485	\$1,132,398	\$4,952,033	\$140	\$3,586,246	\$13,293,084	\$2,306,638	\$1,586,316	\$2,764,642	\$2,390,388	\$509,217	\$2,209,930	\$39,515,516
32 TOTAL DEPRECIATION & RETURN	\$304,255	\$302,253	\$300,250	\$298,249	\$296,247	\$294,245	\$291,931	\$289,956	\$287,981	\$286,006	\$284,033	\$282,058	\$3,517,464
33 NET BENEFIT (COST) TO RATEPAYER	\$4,480,230	\$830,145	\$4,651,783	(\$298,109)	\$3,289,999	\$12,998,839	\$2,014,707	\$1,296,360	\$2,476,661	\$2,104,382	\$225,184	\$1,927,872	\$35,998,053
34													

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JULY 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 ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 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 2017 THROUGH DECEMBER 2017**

	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	\$20,910,348	\$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	\$20,910,348	\$20,910,348	\$20,910,348
2 ADD INVESTMENT: Big Bend Unit 3 (Jan 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2a ADD INVESTMENT: Big Bend Unit 4 (May 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2b ADD INVESTMENT: Big Bend Unit 2 (June 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2c ADD INVESTMENT: Big Bend Unit 1 (November 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	\$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	\$20,910,348	\$20,910,348	\$20,910,348
5													
6													
7 AVERAGE BALANCE	\$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	\$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	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$4,182,070
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	\$6,731,641	\$7,080,147	\$7,428,652	\$7,777,158	\$8,125,664	\$8,474,170	\$8,822,676	\$9,171,181	\$9,519,687	\$9,868,193	\$10,216,699	\$10,565,205	\$6,731,641
12 ENDING BALANCE DEPRECIATION	\$7,080,147	\$7,428,652	\$7,777,158	\$8,125,664	\$8,474,170	\$8,822,676	\$9,171,181	\$9,519,687	\$9,868,193	\$10,216,699	\$10,565,205	\$10,913,710	\$10,913,710
13													
14													
15 ENDING NET INVESTMENT	\$13,830,202	\$13,481,696	\$13,133,190	\$12,784,684	\$12,436,178	\$12,087,673	\$11,739,167	\$11,390,661	\$11,042,155	\$10,693,649	\$10,345,144	\$9,996,638	\$9,996,638
16													
17													
18 AVERAGE INVESTMENT	\$14,004,454	\$13,655,949	\$13,307,443	\$12,958,937	\$12,610,431	\$12,261,925	\$11,913,420	\$11,564,914	\$11,216,408	\$10,867,902	\$10,519,396	\$10,170,891	
19 ALLOWED EQUITY RETURN	.35878%	.35878%	.35878%	.35878%	.35878%	.35878%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%
20 EQUITY COMPONENT AFTER-TAX	\$50,246	\$48,995	\$47,745	\$46,495	\$45,244	\$43,994	\$42,743	\$41,492	\$40,241	\$38,990	\$37,740	\$36,489	\$519,638
21 CONVERSION TO PRE-TAX	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220	1,632,220
22 EQUITY COMPONENT PRE-TAX	\$82,012	\$79,970	\$77,929	\$75,889	\$73,847	\$71,807	\$69,766	\$67,725	\$65,684	\$63,643	\$61,602	\$59,561	\$848,153
23													
24 ALLOWED DEBT RETURN	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%
25 DEBT COMPONENT	\$22,111	\$21,560	\$21,010	\$20,460	\$19,910	\$19,360	\$17,830	\$17,308	\$16,787	\$16,265	\$15,743	\$15,222	\$223,566
26													
27 TOTAL RETURN REQUIREMENTS	\$104,123	\$101,530	\$98,939	\$96,349	\$93,757	\$91,167	\$87,365	\$84,809	\$82,255	\$79,697	\$77,141	\$74,587	\$1,071,719
28 PRIOR MONTH TRUE-UP													
29 TOTAL DEPRECIATION & RETURN	\$452,629	\$450,036	\$447,445	\$444,855	\$442,263	\$439,673	\$435,871	\$433,315	\$430,761	\$428,203	\$425,647	\$423,093	\$5,253,791
30													
31 ESTIMATED FUEL SAVINGS	\$771,015	\$553,646	\$911,188	\$1,043,818	\$893,318	\$989,688	\$268,200	\$355,767	\$451,249	\$738,034	\$185,117	\$639,479	\$7,800,520
32 TOTAL DEPRECIATION & RETURN	\$452,629	\$450,036	\$447,445	\$444,855	\$442,263	\$439,673	\$435,871	\$433,315	\$430,761	\$428,203	\$425,647	\$423,093	\$5,253,791
33 NET BENEFIT (COST) TO RATEPAYER	\$318,387	\$103,610	\$463,743	\$598,964	\$451,055	\$550,015	(\$167,671)	(\$77,548)	\$20,488	\$309,831	(\$240,530)	\$216,386	\$2,546,729

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 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).
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 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 2017 to June 2017

	(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>
 Total	 <u>\$ 4,402,530</u>	 <u>100.00%</u>		 <u>6.20%</u>

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>
 Total	 <u>\$ 3,421,345</u>	 Total	 <u>100.00%</u>

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)

Tampa Electric Company
Calculation of Revenue Requirement Rate of Return
For Cost Recovery Clauses
July 2017 to December 2017

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2017 Capital Structure (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,611,554	33.14%	5.12%	1.6968%
Short Term Debt	\$ 118,708	2.44%	1.55%	0.0378%
Preferred Stock	\$ -	0.00%	0.00%	0.0000%
Customer Deposits	\$ 101,181	2.08%	2.55%	0.0531%
Common Equity	\$ 2,031,177	41.77%	10.25%	4.2815%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	\$ 988,845	20.34%	0.00%	0.0000%
Deferred ITC - Weighted Cost	\$ 11,216	<u>0.23%</u>	7.78%	<u>0.0179%</u>
Total	\$ 4,862,681	<u>100.00%</u>		<u>6.09%</u>

ITC split between Debt and Equity:

Long Term Debt	\$ 1,611,554	Long Term Debt	42.84%
Short Term Debt	118,708	Short Term Debt	3.16%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>2,031,177</u>	Equity - Common	<u>54.00%</u>
Total	\$ 3,761,439	Total	<u>100.00%</u>

Deferred ITC - Weighted Cost:

Debt = 0.0179% * 46.00%	0.0082%
Equity = 0.0179% * 54.00%	<u>0.0097%</u>
Weighted Cost	<u>0.0179%</u>

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.2815%
Deferred ITC - Weighted Cost	<u>0.0097%</u>
	4.2912%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0040%</u>

Total Debt Cost Rate:

Long Term Debt	1.6968%
Short Term Debt	0.0378%
Customer Deposits	0.0531%
Deferred ITC - Weighted Cost	<u>0.0082%</u>
Total Debt Component	<u>1.7959%</u>
	<u>8.7999%</u>

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2017 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, 2017 and 2013 Base Rates Settlement Agreement Dated September 6, 2013.
 Column (4) - Column (2) x Column (3)