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

March 2, 2018

VIA: ELECTRONIC FILING

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

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

Dear Ms. Stauffer:

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

1. Tampa Electric Company's Petition for Approval of Fuel Cost Recovery and Capacity Cost Recovery Net True-Ups for the Twelve Month Period Ending December 2017.

2. Tampa Electric Company's Prepared Direct Testimony and Exhibit (PAR-1) of Penelope A. Rusk regarding Fuel and Purchased Power Cost Recovery and Capacity Cost Recovery Final 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
Attachments

cc: All Parties of Record (w/attachments)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery Clause and Generating Performance Incentive Factor.	))))	DOCKET NO. 20180001-EI FILED: March 2, 2018

TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF FUEL COST RECOVERY AND CAPACITY COST RECOVERY NET TRUE-UPS <u>FOR THE TWELVE-MONTH PERIOD ENDING DECEMBER 2017</u>

Tampa Electric Company ("Tampa Electric" or "the company") hereby petitions this Commission for approval of the company's net fuel and purchased power cost recovery true-up amount of $7,199,907 over-recovery, and net capacity cost recovery true-up amount of $1,952,049 under-recovery, both for the twelve-month period ending December 2017. In support of this Petition, Tampa Electric states as follows:

1. The $7,199,907 net fuel and purchased power true-up over-recovery for the period January 2017 through December 2017 was calculated in accordance with the methodology set forth in Schedule 1, page 2 of 2, attached to Order No. 10093, dated June 19, 1981. This calculation and the supporting documentation are contained in the prepared testimony and exhibit of Tampa Electric witness Penelope A. Rusk, which are being filed together with this Petition and are incorporated herein by reference.

2. By Order No. PSC-2018-0028-FOF-EI, the Commission approved fuel factors for the period commencing January 2018. These factors reflected an actual/estimated true-up over-recovery, including interest, for the period January 2017 through December 2017 of $17,081,137 which was also approved in Order No. PSC-2018-0028-FOF-EI. The actual over-recovery, including interest, for the period January 2017 through December 2017 is $24,281,044. The

$24,281,044 actual over-recovery, less the estimated over-recovery of $17,081,137 which is currently reflected in charges for the period beginning January 2018, results in a net fuel true-up over-recovery of $7,199,907 that is to be included in the calculation of the fuel factors for the period beginning January 2019.

3. The $1,952,049 net capacity true-up under-recovery for the period January 2017 through December 2017 was calculated in accordance with the methodology set forth in Order No. 25773, dated February 24, 1992. This calculation and the supporting documentation are contained in the prepared direct testimony and exhibit of Tampa Electric witness Penelope A. Rusk.

4. By Order No. PSC-2018-0028-FOF-EI, the Commission approved capacity factors for the period commencing January 2018. These factors reflected an actual/estimated true-up under-recovery, including interest, for the period January 2017 through December 2017 of $2,762,938, which was also approved in Order No. PSC-2018-0028-FOF-EI. The actual under-recovery, including interest, for the period January 2017 through December 2017 is $4,714,987. The $4,714,987 actual under-recovery, less the actual/estimated under-recovery of $2,762,938 which is currently reflected in charges for the period beginning January 2018, results in a net capacity true-up under-recovery of $1,952,049 that is to be included in the calculation of the capacity factors for the period beginning January 2019.

WHEREFORE, Tampa Electric Company respectfully requests the Commission to approve the company's net fuel true-up amount of $7,199,907 over-recovery and authorize the inclusion of this amount in the calculation of the fuel factors for the period beginning January 2019; and to approve Tampa Electric's net capacity true-up amount of $1,952,049 under-recovery and authorize the inclusion of this amount in the calculation of the capacity factors for the period beginning January 2019.

DATED this 2nd day of March 2018.

Respectfully submitted,

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

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 2nd day of March 2018, to the following:

Ms. Suzanne S. Brownless
Special Counsel
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@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
Duke Energy Florida, Inc.
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

Mr. Matthew R. Bernier
Senior Counsel
Duke Energy Florida, Inc.
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. Jeffrey A. Stone
VP, General Counsel & Corporate Secretary
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780
rlmcgee@southernco.com

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

Ms. Rhonda J. Alexander
Regulatory, Forecasting & Pricing Manager
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780
rjalexad@southernco.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
law@smxblaw.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

ATTORNEY

TECO

TAMPA ELECTRIC

AN EMERA COMPANY

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

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

2017 FINAL TRUE-UP
TESTIMONY AND EXHIBITS

PENELOPE A. RUSK

FILED: MARCH 2, 2018

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

PENELOPE A. RUSK

Q. Please state your name, address, occupation and employer.

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

Q. Please provide a brief outline of your educational background and business experience.

A. I hold a Bachelor of Arts degree in Economics from the University of New Orleans and a Master of Arts degree in Economics from the University of South Florida. I joined Tampa Electric in 1997, as an Economist in the Load Forecasting Department. In 2000, I joined the Regulatory Affairs Department, and during my tenure there I assumed positions of increasing responsibility. I have over 20 years of electric utility experience, including load forecasting, managing cost recovery clauses, project management, and rate setting activities for wholesale and retail rate cases. My current position is Manager, Rates, and my responsibilities include managing cost recovery for fuel and purchased power, interchange sales, capacity payments, and approved environmental projects.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present, for the Commission’s review and approval, the final true-up amounts for the period January 2017 through December 2017 for the Fuel and Purchased Power Cost Recovery Clause (“Fuel Clause”) and the Capacity Cost Recovery Clause (“Capacity Clause”). I also describe the change in the fuel clause incentive mechanism, effective beginning with January 2018, which eliminates the need for the wholesale incentive benchmark.

Q. What is the source of the data which you will present by way of testimony or exhibit in this process?

A. Unless otherwise indicated, the actual data is taken from the books and records of Tampa Electric. The books and records are kept in the regular course of business in accordance with generally accepted accounting principles and practices and provisions of the Uniform System of Accounts as prescribed by the Florida Public Service Commission ("Commission").

Q. Have you prepared an exhibit in this proceeding?

A. Yes. Exhibit No. PAR-1, consisting of five documents which are described later in my testimony, was prepared under my direction and supervision.

Capacity Cost Recovery Clause

Q. What is the final true-up amount for the Capacity Clause for the period January 2017 through December 2017?

A. The final true-up amount for the Capacity Clause for the period January 2017 through December 2017 is an under–recovery of $1,952,049.

Q. Please describe Document No. 1 of your exhibit.

A. Document No. 1, page 1 of 4, entitled "Tampa Electric Company Capacity Cost Recovery Clause Calculation of Final True-up Variances for the Period January 2017 Through December 2017," provides the calculation for the final under–recovery of $1,952,049. The actual capacity cost under-recovery, including interest, was $4,714,987 for the period January 2017 through December 2017 as identified in Document No. 1, pages 1 and 2 of 4. This amount, less the $2,762,938 actual/estimated under-recovery approved in Order No. PSC-2018-0028-FOF-EI issued January 8, 2018 in Docket No. 20180001-EI, results in a final under-recovery of $1,952,049 for the period, as identified in Document No. 1, page 4 of 4. This amount will be applied in the calculation of the capacity cost recovery factors for the period January 2019 through December 2019.

Q. What is the estimated effect of this $1,952,049 under-recovery for the January 2017 through December 2017 period on residential bills during the January 2019 through December 2019 period?

A. The $1,952,049 under-recovery will increase a 1,000 kWh residential bill by approximately $0.12.

Fuel and Purchased Power Cost Recovery Clause

Q. What is the final true-up amount for the Fuel Clause for the period January 2017 through December 2017?

A. The final Fuel Clause true-up for the period January 2017 through December 2017 is an over-recovery of $7,199,907. The actual fuel cost over-recovery, including interest, was $24,281,044 for the period January 2017 through December 2017. This $24,281,044 amount, less the $17,081,137 actual/estimated over-recovery amount approved in Order No. PSC-2018-0028-FOF-EI, issued January 8, 2018 in Docket No. 20180001-EI, results in a net over-recovery amount for the period of $7,199,907.

Q. What is the estimated effect of the $7,199,907 over-recovery for the January 2017 through December 2017 period on residential bills during the January 2019 through December 2019 period?

A. The $7,199,907 over-recovery will decrease a 1,000 kWh residential bill by approximately $0.37.

Q. Please describe Document No. 2 of your exhibit.

A. Document No. 2 is entitled "Tampa Electric Company Final Fuel and Purchased Power Over/(Under) Recovery for the Period January 2017 Through December 2017." It shows the calculation of the final fuel over-recovery of $7,199,907.

Line 1 shows the total company fuel costs of $645,103,254 for the period January 2017 through December 2017. The jurisdictional amount of total fuel costs is $645,024,816, as shown on line 2. This amount is compared to the jurisdictional fuel revenues applicable to the period on line 3 to obtain the actual over-recovered fuel costs for the period, shown on line 4. The resulting $40,822,751 over-recovered fuel costs for the period, adjustments, interest, true-up collected, and the prior period true-up shown on lines 5 through 8 respectively, constitute the actual over-recovery amount of $24,281,044 shown on line 9. The $24,281,044 actual amount less the $17,081,137 actual/estimated over-recovery amount shown on line 10, results in a final over-recovery amount of $7,199,907 for the period January 2017 through December 2017, as shown on line 11.

Q. Please describe the nature of adjustments in the amount of $4,529,041, as shown on line 5.

A. The $4,529,041 includes two adjustments. The first adjustment, in the amount of $4,524,936, relates to a December 2017 adjustment for Big Bend Unit 2 outage replacement power cost. The June 29, 2017 incident that occurred at Big Bend Unit 2 resulted in the unit being taken off-line while an OSHA investigation into the incident was conducted. Big Bend Unit 2 remained off-line during the investigation before eventually returning to service on August 17, 2017. In late December, OSHA issued citations to Tampa Electric related to the incident. While the company has contested the citations, it has elected to absorb these replacement power costs as company costs rather than seeking to recover them from its customers. The second adjustment, in the amount of $4,105, is the March 2017 adjustment to true up 2016 fuel costs associated with the Reedy Creek separated wholesale sale.

Q. Is the December 2017 Big Bend Unit 2 outage adjustment a final amount?

A. No, the adjustment of $4,524,936 was estimated, and the company made the December 2017 adjustment with the intention to complete a detailed hourly analysis and true up the amount in the following month, if necessary. The adjustment was trued up in January 2018.

Q. Please describe the calculation of the estimated and final adjustment amounts.

A. Tampa Electric back-casts as-available energy prices every month using actual fuel prices, customer load, and unit availability, with the hourly production cost simulation software Generation Operations, a software product of ABB. To evaluate the impact of the Big Bend Unit 2 outage on fuel and purchased power costs, Tampa Electric employed the same process and modeled actual system fuel prices, load, and unit availability during the time period of the outage using Generation Operations.

The reference case included the Big Bend Unit 2 outage. The change case was prepared with Big Bend Unit 2 available for economic dispatch during the entire study period. The dispatch of Big Bend Unit 2 in the change case showed that the unit would have been able to replace some, but not all, of the actual purchased power costs that occurred during the time period of the outage. The detailed hourly analysis of replacement power costs was determined by subtracting the change case from the reference case.

Purchased power costs as a result of the outage were compared to what the cost of operating Big Bend Unit 2 would have been, using the actual MWh priced at the average fuel cost and average heat rate of Big Bend Unit 2. The difference between the fuel and purchased power costs of the two cases resulted in the estimated $4,524,936 adjustment in the December filing. Since averages were used for this estimate, a detailed hourly analysis was still needed to true it up.

In January 2018, Tampa Electric completed the hourly analysis, and calculated total actual replacement power costs of $4,334,524. The company booked the resulting true-up adjustment of $190,412, and it was reported on the company's January 2018 Schedule A1 submitted to the Commission on February 26, 2018.

Q. Please describe Document No. 3 of your exhibit.

A. Document No. 3 is entitled "Tampa Electric Company Calculation of True-up Amount Actual *vs.* Original Estimates for the Period January 2017 Through December 2017." It shows the calculation of the actual over-recovery compared to the estimate for the same period.

Q. What was the total fuel and net power transaction cost variance for the period January 2017 through December 2017?

A. As shown on line A7 of Document No. 3, the fuel and net power transaction cost is $40,690,560 less than the amount originally estimated.

Q. What was the variance in jurisdictional fuel revenues for the period January 2017 through December 2017?

A. As shown on line C3 of Document No. 3, the company collected $1,017,293, or 0.1 percent greater jurisdictional fuel revenues than originally estimated.

Q. Please describe Document No. 4 of your exhibit.

A. Document No. 4 contains Commission Schedules A1 and A2 for the month of December and the year-end period-to-date summary of transactions for each of Commission Schedules A6, A7, A8, A9, as well as capacity information on Schedule A12.

Q. Please describe Document No. 5 of your exhibit.

A. Document No. 5 provides the capital costs and fuel savings for the Polk Unit 1 and the Big Bend Units 1-4 ignition conversion projects for the period January 2017 through December 2017. This document also contains the capital structure components and cost rates relied upon to calculate the revenue requirements rate of return on capital projects recovered through the fuel clause.

The Polk Unit 1 ignition conversion project capital costs, including depreciation and return, for the period January 2017 through December 2017 are less than the project's fuel savings and provide a net benefit to customers. This is shown on Document No. 5, page 1, line 33. Therefore, the Polk Unit 1 ignition conversion project capital costs should be recovered through the fuel clause in accordance with FPSC Order No. PSC-2012-0498-PAA-EI, issued in Docket No. 20120153-EI on September 27, 2012.

The Big Bend Units 1-4 ignition conversion project capital costs, including depreciation and return, for the period are less than the fuel savings resulting from the project, and provide a net benefit to customers, as shown on Document No. 5, page 2, line 33. Therefore, the Big Bend Units 1-4 ignition conversion project capital costs should be recovered through the fuel clause in accordance with FPSC Order No. PSC-2014-0309-PAA-EI, issued in Docket No. 20140032-EI on June 12, 2014.

Wholesale Incentive Benchmark and Optimization Mechanism

Q. Will Tampa Electric set a 2018 wholesale incentive benchmark that is derived in accordance with Order No. PSC-01-2371-FOF-EI issued in Docket No. 010283-EI?

A. No. Effective January 1, 2018, as authorized by FPSC Order No. PSC-2017-0456-S-EI, issued in Docket No. 20160160-EI on November 27, 2017, the company’s Optimization Mechanism replaced the existing short-term wholesale sales incentive mechanism, and as a result no incentive benchmark is required for 2018. Under the new program, for the four-year period from 2018 through 2021, gains on all optimization mechanism activities, including short-term wholesale sales, short-term wholesale purchases, and all forms of asset optimization undertaken each year will be shared between shareholders and customers. The sharing thresholds are (a) for the first $4.5 million per year, 100 percent of gains to customers; (b) for gains greater than $4.5 million per year and less than $8.0 million per year, split 60 percent to shareholders and 40 percent to customers; and (c) for gains greater than $8.0 million per year, 50-50 sharing between shareholders and customers.

Q. Does this conclude your testimony?

A. Yes.

TAMPA ELECTRIC COMPANY

FUEL AND PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

FUEL AND PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

INDEX

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 1

FINAL CAPACITY OVER/(UNDER)RECOVERY FOR
JANUARY 2017 – DECEMBER 2017

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

1.	Actual End-of-Period True-up: Over/(Under) Recovery	($4,714,987)
2.	Less: Actual/Estimated Over/(Under) Recovery Per Order No. PSC-2018-0028-FOF-EI For the January 2017 Through December 2017 Period	(2,762,938)
3.	Final True-up: Over/(Under) Recovery to Be Carried Forward to the January 2019 Through December 2019 Period	**($1,952,049)**

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Actual Nov-17	Actual Dec-17	Total
1 UNIT POWER CAPACITY CHARGES	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 SCHEDULE J,D, & EMERG CAPACITY CHARGES	2,267,401	428,660	880,127	936,842	1,038,324	844,758	1,039,305	1,081,445	1,549,133	1,100,376	811,869	843,762	12,822,002
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0	0	0	0	0	0	0	0	0	0
5 (CAPACITY REVENUES)	(53,676)	(37,225)	(77,934)	(277,590)	(391,790)	(120,705)	(64,481)	(51,049)	(73,834)	(87,603)	(61,025)	(126,795)	(1,423,707)
6 TOTAL CAPACITY DOLLARS	2,213,725	391,435	802,193	659,252	646,534	724,053	974,824	1,030,396	1,475,300	1,012,773	750,845	716,967	11,398,295
7 JURISDICTIONAL PERCENTAGE	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
8 JURISDICTIONAL CAPACITY DOLLARS	2,204,647	389,831	798,903	656,549	643,883	721,083	970,826	1,026,171	1,475,300	1,012,773	750,845	716,967	11,367,778
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	1,053,197	959,744	962,603	1,051,939	1,231,513	1,304,406	1,336,488	1,392,175	1,425,731	1,308,954	1,092,560	992,956	14,112,266
10 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)
11 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	1,087,650	1,143,337	1,176,893	1,060,116	843,722	744,114	11,126,206
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	(1,400,288)	321,075	(85,138)	146,552	338,792	334,485	116,824	117,166	(298,407)	47,343	92,877	27,147	(241,572)
13 INTEREST PROVISION FOR PERIOD	(4,864)	(4,796)	(5,219)	(5,725)	(5,360)	(5,582)	(5,610)	(5,221)	(4,189)	(4,263)	(5,151)	(5,720)	(61,700)
14 OTHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TRUE-UP AND INT. PROVISION BEGINNING OF PERIOD - OVER/(UNDER) RECOVERY	(7,397,775)	(8,554,089)	(7,988,972)	(7,830,491)	(7,440,826)	(6,858,556)	(6,280,815)	(5,920,763)	(5,559,980)	(5,613,738)	(5,321,820)	(4,985,256)	(7,397,775)
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	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
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	(8,554,089)	(7,988,972)	(7,830,491)	(7,440,826)	(6,858,556)	(6,280,815)	(5,920,763)	(5,559,980)	(5,613,738)	(5,321,820)	(4,985,256)	(4,714,987)	**(4,714,987)**

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Actual Nov-17	Actual 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)	(5,920,763)	(5,559,980)	(5,613,738)	(5,321,820)	(4,985,256)	(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)	(5,915,153)	(5,554,759)	(5,609,549)	(5,317,557)	(4,980,105)	(4,709,267)	(4,653,287)
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)	(12,195,968)	(11,475,522)	(11,169,529)	(10,931,295)	(10,301,925)	(9,694,523)	(12,051,062)
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)	(6,097,984)	(5,737,761)	(5,584,765)	(5,465,648)	(5,150,963)	(4,847,262)	(6,025,531)
5 INTEREST RATE % - 1ST DAY OF MONTH	0.720	0.740	0.640	0.940	0.860	0.950	1.080	1.120	1.060	0.730	1.140	1.250	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	0.740	0.640	0.940	0.860	0.950	1.080	1.120	1.060	0.730	1.140	1.250	1.580	NA
7 TOTAL (LINE 5 + LINE 6)	1.460	1.380	1.580	1.800	1.810	2.030	2.200	2.180	1.790	1.870	2.390	2.830	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	0.730	0.690	0.790	0.900	0.905	1.015	1.100	1.090	0.895	0.935	1.195	1.415	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.061	0.058	0.066	0.075	0.075	0.085	0.092	0.091	0.075	0.078	0.100	0.118	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	(4,864)	(4,796)	(5,219)	(5,725)	(5,360)	(5,582)	(5,610)	(5,221)	(4,189)	(4,263)	(5,151)	(5,720)	(61,700)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

	(1)	(2)	(3)	(4)
	ACTUAL	ACTUAL/ ESTIMATED	VARIANCE (1) - (2)	% CHANGE (3)/(2)
1 UNIT POWER CAPACITY CHARGES	$0	$0	$0	0.00%
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0.00%
3 SCHEDULE J & D CAPACITY CHARGES	12,822,002	$11,340,172	1,481,830	13.00%
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0.00%
5 (CAPACITY REVENUES)	(1,423,707)	(1,917,840)	494,133	-25.77%
6 TOTAL CAPACITY DOLLARS	$11,398,295	$9,422,332	$1,975,963	20.97%
7 JURISDICTIONAL PERCENTAGE	-	99.58992%	-	-
8 JURISDICTIONAL CAPACITY DOLLARS	$11,367,778	$9,383,692	$1,984,086	21.14%
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	14,112,266	14,082,579	29,687	0.21%
10 PRIOR PERIOD TRUE-UP PROVISION	(2,986,060)	(2,986,060)	0	0.00%
11 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	$11,126,206	$11,096,519	$29,687	0.27%
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	($241,572)	$1,712,827	($1,954,399)	-114.10%
13 INTEREST PROVISION FOR PERIOD	(61,700)	(64,050)	2,350	-3.67%
14 OTHER ADJUSTMENT	0	0	0	0.00%
15 TRUE-UP AND INT. PROVISION BEGINNING OF PERIOD - OVER/(UNDER) RECOVERY	(7,397,775)	(7,397,775)	0	0.00%
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	2,986,060	2,986,060	0	0.00%
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	($4,714,987)	($2,762,938)	($1,952,049)	70.65%

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 2

FINAL FUEL AND PURCHASED POWER OVER/(UNDER)RECOVERY

FOR

JANUARY 2017 – DECEMBER 2017

TAMPA ELECTRIC COMPANY
FINAL FUEL AND PURCHASED POWER OVER/(UNDER) RECOVERY
FOR THE PERIOD
JANUARY 2017 THROUGH DECEMBER 2017

1 TOTAL FUEL COSTS FOR THE PERIOD	$645,103,254
2 JURISDICTIONAL FUEL COSTS (INCL. ALL ADJUSTMENTS)	645,024,816
3 JURISDICTIONAL FUEL REVENUES APPLICABLE TO THE PERIOD	685,847,567
4 ACTUAL OVER/(UNDER) RECOVERED FUEL COSTS FOR THE PERIOD (LINE 3 - LINE 2)	40,822,751
5 ADJUSTMENTS *	4,529,041
6 INTEREST	500,808
7 TRUE-UP COLLECTED	(122,639,796)
8 PRIOR PERIOD TRUE-UP (ACTUAL ENDING 12/16)	101,068,239
9 ACTUAL OVER/(UNDER) RECOVERY FOR THE PERIOD (LINE 4 + LINE 5 + LINE 6 + LINE 7 + LINE 8)	24,281,044
10 PROJECTED OVER-RECOVERY PER PROJECTION FILED 8/24/17 (SCHEDULE E1-A LINE 3)	17,081,137
11 FINAL FUEL OVER/(UNDER) RECOVERY (LINE 9 - LINE 10)	**$7,199,907**

* Includes March adj of $4,105 for Reedy Creek 2016 True up and
December adj of $4,524,936 for Big Bend Unit 2 outage replacement power cost

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 3

ACTUAL FUEL AND PURCHASED POWER TRUE-UP

VS.

ORIGINAL ESTIMATES

JANUARY 2017 – DECEMBER 2017

TAMPA ELECTRIC COMPANY
CALCULATION OF TRUE-UP AMOUNT
ACTUAL vs. ORIGINAL ESTIMATES
FOR THE PERIOD
JANUARY 2017 THROUGH DECEMBER 2017

		ACTUAL	ESTIMATED	VARIANCE AMOUNT	%
A	1. FUEL COST OF SYSTEM NET GENERATION	$610,588,418	$663,929,452	($53,341,034)	(8.0)
	2. FUEL COST OF POWER SOLD	5,550,018	651,108	4,898,910	752.4
	2a. GAINS FROM SALES	1,644,930	47,796	1,597,134	3,341.6
	3. FUEL COST OF PURCHASED POWER	5,523,189	1,172,410	4,350,779	371.1
	3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0
	3b. PAYMENT TO QUALIFIED FACILITIES	4,254,162	2,449,180	1,804,982	73.7
	4. ENERGY COST OF ECONOMY PURCHASES	23,161,177	10,162,220	12,998,957	127.9
	6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	5,253,790	5,260,518	(6,728)	(0.1)
	6b. ADJ. - POLK 1 CONVERSION DEPRECIATION & ROI	3,517,466	3,518,938	(1,472)	0.0
	6c. ADJ. - POLK WARM GAS CLEANUP	0	0	0	0.0
	7. ADJUSTED TOTAL FUEL & NET PWR.TRANS. (SUM OF LINES A1 THRU 6c)	$645,103,254	$685,793,814	($40,690,560)	(5.9)
C	1. JURISDICTIONAL FUEL REVENUE	$564,177,364	$563,160,071	$1,017,293	0.2
	2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0
	2a. TRUE-UP PROVISION	122,639,796	122,639,796	0	0.0
	2b. INCENTIVE PROVISION	(969,593)	(969,593)	0	0.0
	2c. ADJUSTMENT	0	0	0	0.0
	3. JURIS. FUEL REVENUE APPL. TO PERIOD (Sum of Lines C1 through C2c)	685,847,567	684,830,274	1,017,293	0.1
	6d.JURISD. TOTAL FUEL & NET PWR. TRANS.	645,024,816	685,355,389	(40,330,573)	(5.9)
	7. TRUE-UP PROV.- THIS PER. (LINE C3-C6d)	40,822,751	(525,115)	41,347,866	(7,874.1)
	7a. ADJUSTMENTS *	4,529,041	0	4,529,041	0.0
	8. INTEREST PROVISION - THIS PERIOD	500,808	643,957	(143,149)	(22.2)
	TOTAL TRUE-UP AMOUNT FOR PERIOD (LINE 7 through 8)	$45,852,600	$118,842	$45,733,758	38,482.8
	9.TRUE-UP & INT. PROV. BEG. OF PERIOD (Beginning January 2017)	101,068,239	122,639,796	(21,571,557)	(17.6)
	10.TRUE-UP COLLECTED (REFUNDED)	(122,639,796)	(122,639,796)	0	0.0
	11.END OF PERIOD TOTAL NET TRUE-UP (LINE C8 through C10)	$24,281,044	$118,842	$24,162,202	20,331.4

* Includes March adj of $4,105 for Reedy Creek 2016 True up and December adj of $4,524,936 for Big Bend Unit 2 outage replacement power cost

Line numbers reference Schedule A-2 included in Document No. 4

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 4

FUEL AND PURCHASED POWER COST RECOVERY
YTD DECEMBER 2017

SCHEDULES A1 AND A2
AND
SCHEDULES A6 THROUGH A9
AND
SCHEDULE A12

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULES A1 AND A2

DECEMBER 2017

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: December 2017

	$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	44,592,399	50,530,825	(5,938,426)	-11.8%	1,460,558	1,457,690	2,868	0.2%	3.05311	3.46650	(0.41339)	-11.9%
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
3. Coal Car Investment	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4a. Adjustments - Big Bend Units 1-4 Igniters Conversion Project	423,093	424,123	(1,030)	-0.2%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	282,059	282,238	(179)	-0.1%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments - Polk Warm Gas Cleanup	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	**45,297,551**	**51,237,186**	**(5,939,635)**	**-11.6%**	**1,460,558**	**1,457,690**	**2,868**	**0.2%**	**3.10139**	**3.51496**	**(0.41357)**	**-11.8%**
6. Fuel Cost of Purchased Power - Firm (A7)	272,982	8,050	264,932	3291.1%	5,582	170	5,412	3183.5%	4.89040	4.73529	0.15510	3.3%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	65,025	696,680	(631,655)	-90.7%	1,750	22,860	(21,110)	-92.3%	3.71571	3.04759	0.66812	21.9%
8. Energy Cost of Other Econ. Purch. (Non-Broker) (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
11. Payments to Qualifying Facilities (A8)	445,662	179,650	266,012	148.1%	20,307	7,370	12,937	175.5%	2.19462	2.43758	(0.24296)	-10.0%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	**783,669**	**884,380**	**(100,711)**	**-11.4%**	**27,639**	**30,400**	**(2,761)**	**-9.1%**	**2.83537**	**2.90914**	**(0.07377)**	**-2.5%**
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					**1,488,197**	**1,488,090**	**107**	**0.0%**				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	55,720	15,620	40,100	256.7%	2,779	570	2,209	387.5%	2.00504	2.74035	(0.73531)	-26.8%
15. Fuel Cost of Sch. C/CB Sales (A6)	14,775	0	14,775	0.0%	904	0	904	0.0%	1.63440	0.00000	1.63440	0.0%
16. Fuel Cost of OATT Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
17. Fuel Cost of Market Base Sales (A6)	260,553	23,334	237,219	1016.6%	12,135	900	11,235	1248.3%	2.14712	2.59267	(0.44555)	-17.2%
18. Gains on Sales	82,155	2,937	79,218	2697.2%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	**413,203**	**41,891**	**371,312**	**886.4%**	**15,818**	**1,470**	**14,348**	**976.1%**	**2.61223**	**2.84973**	**(0.23749)**	**-8.3%**
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					(32)	0	(32)	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					5,180	0	5,180	0.0%				
22. Interchange and Wheeling Losses					5,475	(13)	5,488	-41766.7%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	**45,668,017**	**52,079,675**	**(6,411,658)**	**-12.3%**	**1,472,052**	**1,486,633**	**(14,581)**	**-1.0%**	**3.10234**	**3.50320**	**(0.40086)**	**-11.4%**
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	1,714,321 (a)	1,338,922 (a)	375,399	28.0%	55,259	38,220	17,039	44.6%	3.10234	3.50320	(0.40086)	-11.4%
25. Company Use	87,114 (a)	99,841 (a)	(12,727)	-12.7%	2,808	2,850	(42)	-1.5%	3.10235	3.50319	(0.40084)	-11.4%
26. T & D Losses	1,662,418 (a)	1,806,323 (a)	(143,905)	-8.0%	53,586	51,562	2,024	3.9%	3.10234	3.50320	(0.40086)	-11.4%
27. System KWH Sales	45,668,017	52,079,675	(6,411,658)	-12.3%	1,360,399	1,394,001	(33,602)	-2.4%	3.35696	3.73599	(0.37903)	-10.1%
28. Wholesale KWH Sales	0	(4,078)	4,078	-100.0%	0	(120)	120	-100.0%	0.00000	3.39833	(3.39833)	-100.0%
29. Jurisdictional KWH Sales	45,668,017	52,075,597	(6,407,580)	-12.3%	1,360,399	1,393,881	(33,482)	-2.4%	3.35696	3.73601	(0.37906)	-10.1%
30. Jurisdictional Loss Multiplier									1.00000	1.00002	(0.00002)	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	45,668,017	52,076,639	(6,408,622)	-12.3%	1,360,399	1,393,881	(33,482)	-2.4%	3.35696	3.73609	(0.37913)	-10.1%
32. Adjustment-BB Unit 2 Outage Replacement Power Cost	(4,524,936)	0	(4,524,936)	0.0%	1,360,399	1,393,881	(33,482)	-2.4%	(0.33262)	0.00000	(0.33262)	0.0%
33. True-up *	(10,219,983)	(10,219,983)	0	0.0%	1,360,399	1,393,881	(33,482)	-2.4%	(0.75125)	(0.73320)	(0.01805)	2.5%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	30,923,098	41,856,656	(10,933,558)	-26.1%	1,360,399	1,393,881	(33,482)	-2.4%	2.27309	3.00289	(0.72980)	-24.3%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	30,945,363	41,886,793	(10,941,430)	-26.1%	1,360,399	1,393,881	(33,482)	-2.4%	2.27473	3.00505	(0.73032)	-24.3%
37. GPIF * (Already Adjusted for Taxes)	80,804	80,804	0	0.0%	1,360,399	1,393,881	(33,482)	-2.4%	0.00594	0.00580	0.00014	2.5%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	**31,026,167**	**41,967,597**	**(10,941,430)**	**-26.1%**	**1,360,399**	**1,393,881**	**(33,482)**	**-2.4%**	**2.28067**	**3.01085**	**(0.73018)**	**-24.3%**
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									**2.281**	**3.011**	**(0.730)**	**-24.2%**

* Based on Jurisdictional Sales (a) included for informational purposes only

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
PERIOD TO DATE THROUGH: December 2017

	$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	610,588,418	663,929,452	(53,341,034)	-8.0%	19,743,413	19,662,330	81,083	0.4%	3.09262	3.37666	(0.28404)	-8.4%
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
3. Coal Car Investment	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4a. Adjustments - Big Bend Units 1-4 Igniters Conversion Project	5,253,790	5,260,518	(6,728)	-0.1%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	3,517,466	3,518,938	(1,472)	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments - Polk Warm Gas Cleanup	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	**619,359,674**	**672,708,908**	**(53,349,234)**	**-7.9%**	**19,743,413**	**19,662,330**	**81,083**	**0.4%**	**3.13704**	**3.42131**	**(0.28426)**	**-8.3%**
6. Fuel Cost of Purchased Power - Firm (A7)	5,523,189	1,172,410	4,350,779	371.1%	129,439	25,290	104,149	411.8%	4.26702	4.63586	(0.36884)	-8.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	23,161,177	10,162,220	12,998,957	127.9%	481,735	306,900	174,835	57.0%	4.80787	3.31125	1.49662	45.2%
8. Energy Cost of Other Econ. Purch. (Non-Broker) (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
11. Payments to Qualifying Facilities (A8)	4,254,162	2,449,180	1,804,982	73.7%	189,811	90,110	99,701	110.6%	2.24126	2.71799	(0.47673)	-17.5%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	**32,938,528**	**13,783,810**	**19,154,718**	**139.0%**	**800,985**	**422,300**	**378,685**	**89.7%**	**4.11225**	**3.26399**	**0.84827**	**26.0%**
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					**20,544,398**	**20,084,630**	**459,768**	**2.3%**				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	357,264	282,200	75,064	26.6%	17,363	10,340	7,023	67.9%	2.05762	2.72921	(0.67159)	-24.6%
15. Fuel Cost of Sch. C/CB Sales (A6)	417,052	0	417,052	0.0%	21,461	0	21,461	0.0%	1.94330	0.00000	1.94330	0.0%
16. Fuel Cost of OATT Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
17. Fuel Cost of Market Base Sales (A6)	4,775,702	368,908	4,406,794	1194.6%	198,192	11,980	186,212	1554.4%	2.40963	3.07937	(0.66973)	-21.7%
18. Gains on Sales	1,644,930	47,796	1,597,134	3341.6%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	**7,194,948**	**698,904**	**6,496,044**	**929.5%**	**237,016**	**22,320**	**214,696**	**961.9%**	**3.03564**	**3.13129**	**(0.09565)**	**-3.1%**
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					473	0	473	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					31,838	0	31,838	0.0%				
22. Interchange and Wheeling Losses					35,996	(175)	36,171	-20680.0%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	**645,103,254**	**685,793,814**	**(40,690,560)**	**-5.9%**	**20,303,697**	**20,062,485**	**241,212**	**1.2%**	**3.17727**	**3.41829**	**(0.24102)**	**-7.1%**
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	2,845,544 (a)	774,716 (a)	2,070,828	267.3%	104,954	32,999	71,955	218.1%	2.71123	2.34770	0.36353	15.5%
25. Company Use	1,115,670 (a)	1,170,699 (a)	(55,029)	-4.7%	35,141	34,200	941	2.8%	3.17484	3.42310	(0.24826)	-7.3%
26. T & D Losses	30,867,141 (a)	29,581,246 (a)	1,285,895	4.3%	971,349	866,847	104,502	12.1%	3.17776	3.41251	(0.23475)	-6.9%
27. System KWH Sales	645,103,254	685,793,814	(40,690,560)	-5.9%	19,192,253	19,128,439	63,814	0.3%	3.36127	3.58521	(0.22394)	-6.2%
28. Wholesale KWH Sales	(75,738)	(451,166)	375,428	-83.2%	(1,885)	(14,360)	12,475	-86.9%	4.01793	3.14182	0.87611	27.9%
29. Jurisdictional KWH Sales	645,027,516	685,342,648	(40,315,132)	-5.9%	19,190,368	19,114,079	76,289	0.4%	3.36120	3.58554	(0.22433)	-6.3%
30. Jurisdictional Loss Multiplier									1.00002 (b)	1.00002 (b)	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	645,050,465	685,355,389	(40,304,924)	-5.9%	19,190,368	19,114,079	76,289	0.4%	3.36132	3.58561	(0.22428)	-6.3%
32. Adjustments - Schedule A2, page 2, lines 6c and 7a	(4,546,479)	0	(4,546,479)	0.0%	19,190,368	19,114,079	76,289	0.4%	(0.02369)	0.00000	(0.02369)	0.0%
33. True-up *	(122,639,796)	(122,639,796)	0	0.0%	19,190,368	19,114,079	76,289	0.4%	(0.63907)	(0.64162)	0.00255	-0.4%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	517,864,190	562,715,593	(44,851,403)	-8.0%	19,190,368	19,114,079	76,289	0.4%	2.69856	2.94398	(0.24542)	-8.3%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	518,237,054	563,120,749	(44,883,695)	-8.0%	19,190,368	19,114,079	76,289	0.4%	2.70051	2.94610	(0.24559)	-8.3%
37. GPIF * (Already Adjusted for Taxes)	969,593	969,593	0	0.0%	19,190,368	19,114,079	76,289	0.4%	0.00505	0.00507	(0.00002)	-0.4%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	**519,206,647**	**564,090,342**	**(44,883,695)**	**-8.0%**	**19,190,368**	**19,114,079**	**76,289**	**0.4%**	**2.70556**	**2.95117**	**(0.24561)**	**-8.3%**
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									**2.706**	**2.951**	**(0.245)**	**-8.3%**

* Based on Jurisdictional Sales (a) included for informational purposes only (b) Applied to selected months with non jurisdictional separated sales

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2017

	CURRENT MONTH				PERIOD TO DATE			
			DIFFERENCE				DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	44,592,399	50,530,825	(5,938,426)	-11.8%	610,588,418	663,929,452	(53,341,034)	-8.0%
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0%	0	0	0	0.0%
2. FUEL COST OF POWER SOLD	331,048	38,954	292,094	749.8%	5,550,018	651,108	4,898,910	752.4%
2a. GAINS FROM SALES	82,155	2,937	79,218	2697.2%	1,644,930	47,796	1,597,134	3341.6%
3. FUEL COST OF PURCHASED POWER	272,982	8,050	264,932	3291.1%	5,523,189	1,172,410	4,350,779	371.1%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	445,662	179,650	266,012	148.1%	4,254,162	2,449,180	1,804,982	73.7%
4. ENERGY COST OF ECONOMY PURCHASES	65,025	696,680	(631,655)	-90.7%	23,161,177	10,162,220	12,998,957	127.9%
5. TOTAL FUEL & NET POWER TRANSACTION	44,962,865	51,373,314	(6,410,449)	-12.5%	636,331,998	677,014,358	(40,682,360)	-6.0%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	423,093	424,123	(1,030)	-0.2%	5,253,790	5,260,518	(6,728)	-0.1%
6b. ADJ. - POLK 1 CONVERSION DEPRECIATION & ROI	282,059	282,238	(179)	-0.1%	3,517,466	3,518,938	(1,472)	0.0%
6c. ADJ. - POLK WARM GAS CLEANUP	0	0	0	0.0%	0	0	0	0.0%
7. ADJUSTED TOTAL FUEL & NET PWR.TRANS.	45,668,017	52,079,675	(6,411,658)	-12.3%	645,103,254	685,793,814	(40,690,560)	-5.9%
B. MWH SALES								
1. JURISDICTIONAL SALES	1,360,399	1,393,881	(33,482)	-2.4%	19,190,368	19,114,079	76,289	0.4%
2. NONJURISDICTIONAL SALES	0	120	(120)	-100.0%	1,885	14,360	(12,475)	-86.9%
3. TOTAL SALES	1,360,399	1,394,001	(33,602)	-2.4%	19,192,253	19,128,439	63,814	0.3%
4. JURISDIC. SALES-% TOTAL MWH SALES	1.0000000	0.9999217	0.0000783	0.0%				

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2017

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	DIFFERENCE %	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	DIFFERENCE %
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	39,281,067	40,406,349	(1,125,282)	-2.8%	564,177,364	563,160,071	1,017,293	0.2%
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0%	0	0	0	0.0%
2a. TRUE-UP PROVISION	10,219,983	10,219,983	0	0.0%	122,639,796	122,639,796	0	0.0%
2b. INCENTIVE PROVISION	(80,804)	(80,804)	0	0.0%	(969,593)	(969,593)	0	0.0%
2c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%
3. JURIS. FUEL REVENUE APPL. TO PERIOD	49,420,246	50,545,528	(1,125,282)	-2.2%	685,847,567	684,830,274	1,017,293	0.1%
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	45,668,017	52,079,675	(6,411,658)	-12.3%	645,103,254	685,793,814	(40,690,560)	-5.9%
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B4)	1.0000000	0.9999217	0.0000783	0.0%	-	-	-	-
6. JURISDIC. TOTAL FUEL & NET PWR.TRANS.	45,668,017	52,075,597	(6,407,580)	-12.3%	645,027,516	685,342,648	(40,315,132)	-5.9%
6a. JURISDIC. LOSS MULTIPLIER	1.00000	1.00002	(0.00002)	0.0%	-	-	-	-
6b. (LINE C6 x LINE C6a)	45,668,017	52,076,639	(6,408,622)	-12.3%	645,050,464	685,355,389	(40,304,925)	-5.9%
6c. ADJUSTMENT-JURISDIC LOSS MULTIPLIER	0	0	0	0.0%	(25,648)	0	(25,648)	0.0%
6d. JURISDIC. TOTAL FUEL & NET PWR INCL. ALL ADJ.(LNS. C6b+C6c)	45,668,017	52,076,639	(6,408,622)	-12.3%	645,024,816	685,355,389	(40,330,573)	-5.9%
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	3,752,229	(1,531,111)	5,283,340	-345.1%	40,822,751	(525,115)	41,347,866	-7874.1%
7a. ADJUSTMENT-BB UNIT 2 OUTAGE REPLACEMENT POWER COST	4,524,936	0	4,524,936	0.0%	4,529,041	0	4,529,041	0.0%
8. INTEREST PROVISION FOR THE MONTH	27,096	7,125	19,971	280.3%	500,808	643,957	(143,149)	-22.2%
9. TRUE-UP & INT. PROV. BEG. OF MONTH	26,196,766	11,862,811	14,333,955	120.8%	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(10,219,983)	(10,219,983)	0	0.0%	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	24,281,044	118,842	24,162,202	20331.4%	NOT APPLICABLE			

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2017

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	DIFFERENCE %	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	DIFFERENCE %
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	26,196,766	11,862,811	14,333,955	120.8%	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	19,729,012	111,717	19,617,295	17559.8%	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	45,925,778	11,974,528	33,951,250	283.5%	NOT APPLICABLE			
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	22,962,889	5,987,264	16,975,625	283.5%	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	1.250	1.430	(0.180)	-12.6%	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	1.580	1.430	0.150	10.5%	NOT APPLICABLE			
7. TOTAL (LINE D5 + LINE D6)	2.830	2.860	(0.030)	-1.0%	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D7)	1.415	1.430	(0.015)	-1.0%	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.118	0.119	(0.001)	-0.8%	NOT APPLICABLE			
10. INT. PROVISION (LINE D4 x LINE D9)	27,096	7,125	19,971	280.3%	NOT APPLICABLE			

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A6

JANUARY 2017 - DECEMBER 2017

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

(1)		(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
						CENTS/KWH				
SOLD TO		TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT (5)X(6A)	TOTAL $ FOR TOTAL COST (5)X(6B)	GAINS ON MARKET BASED SALES
ESTIMATED:										
SEMINOLE	JURISD.	SCH. - D	10,340.0	0.0	10,340.0	2.729	2.834	282,200.00	293,064.00	10,864.00
VARIOUS	JURISD.	MKT.BASE	11,980.0	0.0	11,980.0	3.079	3.388	368,908.56	405,840.00	36,931.44
TOTAL			**22,320.0**	**0.0**	**22,320.0**	**2.917**	**3.131**	**651,108.56**	**698,904.00**	**47,795.44**
ACTUAL:										
SEMINOLE ELEC. PRECO-1	JURISD.	SCH. - D	17,363.0	0.0	17,363.0	2.058	2.263	357,263.60	392,989.97	15,008.96
DUKE ENERGY FLORIDA		SCH. - C	51.0	0.0	51.0	0.209	2.742	106.59	1,398.47	218.81
ORLANDO UTILITIES COMMISSION		SCH. - C	17.0	0.0	17.0	0.209	2.918	35.53	496.06	68.00
DUKE ENERGY FLORIDA		SCH. - CB	1,605.0	0.0	1,605.0	2.309	2.587	37,051.80	41,518.42	1,064.02
REEDY CREEK		SCH. - CB	19,433.0	0.0	19,433.0	1.920	2.303	373,099.17	447,471.94	40,731.49
ORLANDO UTILITIES COMMISSION		SCH. - CB	355.0	0.0	355.0	1.904	2.313	6,758.30	8,211.01	746.56
CARGILL ALLIANT		SCH. - MA	1,836.0	0.0	1,836.0	4.450	4.750	81,697.04	87,203.52	4,970.48
EXGEN		SCH. - MA	5,554.0	0.0	5,554.0	2.208	3.029	122,627.06	168,239.22	34,205.88
FLORIDA POWER & LIGHT		SCH. - MA	9,400.0	0.0	9,400.0	2.582	3.390	242,669.60	318,677.73	50,521.03
DUKE ENERGY FLORIDA		SCH. - MA	15,998.0	0.0	15,998.0	2.167	2.885	346,729.82	461,562.44	83,076.44
CITY OF LAKELAND		SCH. - MA	8,225.0	0.0	8,225.0	2.531	3.952	208,187.00	325,033.84	95,728.59
NEW SMYRNA BEACH		SCH. - MA	106.0	0.0	106.0	2.500	3.613	2,649.97	3,829.95	911.97
ORLANDO UTILITIES		SCH. - MA	81,110.0	0.0	81,110.0	2.443	3.528	1,981,634.25	2,861,793.33	709,223.18
REEDY CREEK		SCH. - MA	1,749.0	0.0	1,749.0	2.149	2.470	37,582.10	43,198.83	4,222.21
SEMINOLE ELECTRIC		SCH. - MA	57,442.0	0.0	57,442.0	2.427	3.556	1,394,043.04	2,042,573.96	532,462.62
SOUTHERN COMPANY		SCH. - MA	4,055.0	0.0	4,055.0	2.076	2.803	84,199.92	113,679.32	20,286.43
THE ENERGY AUTHORITY		SCH. - MA	4,132.0	0.0	4,132.0	2.358	3.527	97,433.23	145,751.15	39,421.15
EDF TRADING		SCH. - MA	1,431.0	0.0	1,431.0	2.159	2.834	30,892.69	40,556.38	6,092.67
MORGAN STANLEY		SCH. - MA	7,154.0	0.0	7,154.0	2.032	2.789	145,357.14	199,492.29	43,928.76
LESS 20% - THRESHOLD EXCESS		SCH. - D								(2,733.17)
LESS 20% - THRESHOLD EXCESS		SCH. - CB								(785.50)
LESS 20% - THRESHOLD EXCESS		SCH. - MA								(34,440.23)
SUB-TOTAL			**237,016.0**	**0.0**	**237,016.0**	**2.342**	**3.250**	**5,550,017.85**	**7,703,677.83**	**1,644,930.35**
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.			17,363.0	0.0	17,363.0	2.058	2.263	357,263.60	392,989.97	12,275.79
SUB-TOTAL SCHEDULE C POWER SALES			68.0	0.0	68.0	0.209	2.786	142.12	1,894.53	286.81
SUB-TOTAL SCHEDULE CB POWER SALES			21,393.0	0.0	21,393.0	1.949	2.324	416,909.27	497,201.37	41,756.57
SUB-TOTAL SCHEDULE MA POWER SALES-JURISD.			198,192.0	0.0	198,192.0	2.410	3.437	4,775,702.86	6,811,591.96	1,590,611.18
SUB-TOTAL OATT POWER SALES			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TOTAL			**237,016.0**	**0.0**	**237,016.0**	**2.342**	**3.250**	**5,550,017.85**	**7,703,677.83**	**1,644,930.35**
DIFFERENCE			214,696.0	0.0	214,696.0	(0.575)	0.119	4,898,909.29	7,004,773.83	1,597,134.91
DIFFERENCE %			961.9%	0.0%	961.9%	-19.7%	3.8%	752.4%	1002.3%	3341.6%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A7

JANUARY 2017 - DECEMBER 2017

PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7) CENTS/KWH		(8)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FROM OTHER UTILITIES	MWH FOR INTER-RUPTIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT (6)X(7A)
ESTIMATED:								
PASCO COGEN	SCH. - D	25,290.0	0.0	0.0	25,290.0	4.636	4.636	1,172,410.00
TOTAL		**25,290.0**	**0.0**	**0.0**	**25,290.0**	**4.636**	**4.636**	**1,172,410.00**
ACTUAL:								
PASCO COGEN	SCH. - D	115,018.0	0.0	0.0	115,018.0	4.370	4.370	5,026,001.09
DUKE ENERGY FLORIDA	SCH. - D	7,020.0	0.0	0.0	7,020.0	2.811	2.811	197,332.28
FLORIDA POWER & LIGHT	EMERG A	609.0	0.0	0.0	609.0	18.896	18.896	115,076.64
DUKE ENERGY FLORIDA	OATT	6,752.0	0.0	0.0	6,752.0	2.633	2.633	177,810.79
CALPINE OSPREY	OATT	40.0	0.0	0.0	40.0	17.421	17.421	6,968.32
SUB-TOTAL		**129,439.0**	**0.0**	**0.0**	**129,439.0**	**4.267**	**4.267**	**5,523,189.12**
SUB-TOTAL SCHEDULE D PURCHASED POWER		122,038.0	0.0	0.0	122,038.0	4.280	4.280	5,223,333.37
SUB-TOTAL SCHEDULE EMERG A PURCHASED POWER		609.0	0.0	0.0	609.0	18.896	18.896	115,076.64
SUB-TOTAL SCHEDULE OATT PURCHASED POWER		6,792.0	0.0	0.0	6,792.0	2.721	2.721	184,779.11
TOTAL		**129,439.0**	**0.0**	**0.0**	**129,439.0**	**4.267**	**4.267**	**5,523,189.12**
DIFFERENCE		104,149.0	0.0	0.0	104,149.0	(0.369)	(0.369)	4,350,779.12
DIFFERENCE %		411.8%	0.0%	0.0%	411.8%	-8.0%	-8.0%	371.1%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A8

JANUARY 2017 - DECEMBER 2017

ENERGY PAYMENT TO QUALIFYING FACILITIES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
						CENTS/KWH		
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FROM OTHER UTILITIES	MWH FOR INTER-RUPTIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT (6)X(7A)
ESTIMATED:								
VARIOUS	**COGEN.**							
	AS AVAIL.	90,110.0	0.0	0.0	90,110.0	2.718	2.718	2,449,180.00
TOTAL		**90,110.0**	**0.0**	**0.0**	**90,110.0**	**2.718**	**2.718**	**2,449,180.00**
ACTUAL:	**AS AVAILABLE**							
McKAY BAY REFUSE	COGEN.	13.0	0.0	0.0	13.0	2.115	2.115	274.94
CARGILL RIDGEWOOD	COGEN.	16,013.0	0.0	0.0	16,013.0	2.317	2.317	370,953.11
CARGILL MILLPOINT	COGEN.	50,865.0	0.0	0.0	50,865.0	2.243	2.243	1,140,719.06
CF INDUSTRIES INC.	COGEN.	4,505.0	0.0	0.0	4,505.0	2.297	2.297	103,495.49
IMC-AGRICO-NEW WALES	COGEN.	11,110.0	0.0	0.0	11,110.0	2.264	2.264	251,533.66
IMC-AGRICO-S. PIERCE	COGEN.	105,031.0	0.0	0.0	105,031.0	2.225	2.225	2,337,031.16
HILLSBOROUGH COUNTY	COGEN.	66.0	0.0	0.0	66.0	2.032	2.032	1,340.93
SUB-TOTAL COGEN		**187,603.0**	**0.0**	**0.0**	**187,603.0**	**2.242**	**2.242**	**4,205,348.35**
NET METERING		**2,207.5**	**0.0**	**0.0**	**2,207.5**	**2.211**	**2.211**	**48,811.51**
TOTAL INCL NET METERING		**189,810.5**	**0.0**	**0.0**	**189,810.5**	**2.241**	**2.241**	**4,254,159.86**
DIFFERENCE		99,700.5	0.0	0.0	99,700.5	(0.477)	(0.477)	1,804,979.86
DIFFERENCE %		110.6%	0.0%	0.0%	110.6%	-17.5%	-17.5%	73.7%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A9

JANUARY 2017 - DECEMBER 2017

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) COST IF GENERATED		(9)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR INTERRUP-TIBLE	MWH FOR FIRM	TRANSACTION COSTS CENTS/KWH	TOTAL $ FOR FUEL ADJUSTMENT (5) X (6)	(A) CENTS PER KWH	(B) TOTAL COST	FUEL SAVINGS (8B)-7
ESTIMATED:									
VARIOUS	Economy	306,900.0	0.0	306,900.0	3.311	10,162,220.00	3.490	10,712,280.00	550,060.00
TOTAL		**306,900.0**	**0.0**	**306,900.0**	**3.311**	**10,162,220.00**	**3.490**	**10,712,280.00**	**550,060.00**
ACTUAL:									
CARGILL ALLIANT	SCH. - J	27,828.0	0.0	27,828.0	4.338	1,207,176.50	4.348	1,210,044.98	2,868.48
DUKE ENERGY FLORIDA	SCH. - J	40,044.0	0.0	40,044.0	6.305	2,524,803.00	6.309	2,526,221.00	1,418.00
EDF TRADING	SCH. - J	17,872.0	0.0	17,872.0	4.494	803,168.00	4.601	822,354.76	19,186.76
EXGEN	SCH. - J	74,965.0	0.0	74,965.0	4.160	3,118,838.00	4.205	3,152,080.88	33,242.88
FLORIDA POWER & LIGHT	SCH. - J	121,865.0	0.0	121,865.0	4.536	5,527,706.00	4.602	5,608,542.00	80,836.00
CITY OF LAKELAND	SCH. - J	1,846.0	0.0	1,846.0	9.614	177,482.00	9.614	177,482.00	0.00
MORGAN STANLEY	SCH. - J	8,445.0	0.0	8,445.0	5.011	423,205.00	5.028	424,579.00	1,374.00
ORLANDO UTIL. COMM.	SCH. - J	65,192.0	0.0	65,192.0	5.383	3,509,585.20	5.388	3,512,782.50	3,197.30
CITY OF TALLAHASSEE	SCH. - J	514.0	0.0	514.0	1.243	6,387.00	2.546	13,086.29	6,699.29
SEMINOLE ELEC. CO-OP	SCH. - J	48,988.0	0.0	48,988.0	4.732	2,318,112.00	4.332	2,121,988.40	14,876.40
SOUTHERN COMPANY	SCH. - J	25,827.0	0.0	25,827.0	4.984	1,287,326.00	5.040	1,301,625.65	14,299.65
THE ENERGY AUTHORITY	SCH. - J	48,349.0	0.0	48,349.0	4.669	2,257,388.00	4.674	2,259,962.60	2,574.60
TOTAL		**481,735.0**	**0.0**	**481,735.0**	**4.808**	**23,161,176.70**	**4.802**	**23,130,750.06**	**180,573.36**
DIFFERENCE		174,835.0	0.0	174,835.0	1.497	12,998,956.70	1.311	12,418,470.06	(369,486.64)
DIFFERENCE %		57.0%	0.0%	57.0%	45.2%	127.9%	37.6%	115.9%	-67.2%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A12

JANUARY 2017 - DECEMBER 2017

REDACTED

REDACTED

40

CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

CONTRACT	TERM START	TERM END	CONTRACT TYPE	
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	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	1.7	3.0	8.3	8.7	5.7	8.1

CAPACITY	JANUARY ($)	FEBRUARY ($)	MARCH ($)	APRIL ($)	MAY ($)	JUNE ($)	JULY ($)	AUGUST ($)	SEPTEMBER ($)	OCTOBER ($)	NOVEMBER ($)	DECEMBER ($)	TOTAL ($)
CALPINE - D	[redacted]												
DUKE ENERGY FLORIDA - D													
PASCO COGEN LTD - D													
FLORIDA POWER & LIGHT - EMERG A													
FLORIDA POWER & LIGHT - CR													
CITY OF TALLAHASSEE													
FLORIDA POWER & LIGHT													
DUKE ENERGY FLORIDA													
JACKSONVILLE ELECTRIC AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
DUKE ENERGY FLORIDA - CB													
ORLANDO UTILITIES - CB													
REEDY CREEK - CB													
CARGILL ALLIANT - MA													
DUKE ENERGY FLORIDA - MA													
FLORIDA POWER & LIGHT - MA													
CITY OF LAKELAND - MA													
ORLANDO UTILITIES - MA													
EXGEN - MA													
REEDY CREEK - MA													
SEMINOLE ELECTRIC - MA													
THE ENERGY AUTHORITY - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	**$ 2,213,725**	**$ 391,435**	**$ 802,193**	**$ 659,252**	**$ 646,534**	**$ 724,053**	**$ 974,824**	**$ 1,030,396**	**$ 1,475,299**	**$ 1,012,773**	**$ 750,844**	**$ 716,967**	**$ 11,398,295**
TOTAL CAPACITY	**$ 2,213,725**	**$ 391,435**	**$ 802,193**	**$ 659,252**	**$ 646,534**	**$ 724,053**	**$ 974,824**	**$ 1,030,396**	**$ 1,475,299**	**$ 1,012,773**	**$ 750,844**	**$ 716,967**	**$ 11,398,295**

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 5

CAPITAL PROJECTS APPROVED FOR FUEL CLAUSE RECOVERY

JANUARY 2017 – DECEMBER 2017

POLK UNIT 1 IGNITION CONVERSION TO NATURAL GAS
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 BEGINNING BALANCE	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951
2 ADD INVESTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951
5													
6													
7 AVERAGE BALANCE	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	$ 16,143,951	
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%	
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	$ 3,517,466
30													
31 ESTIMATED FUEL SAVINGS	$ 4,784,485	$ 1,132,398	$ 4,952,033	$ 140	$ 3,586,246	$ 13,293,084	$ 5,465,198	$ 10,888,389	$ 4,772,145	$ 17,097,101	$ 653,856	$ 4,621,456	$ 71,246,530
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	$ 3,517,466
33 NET BENEFIT (COST) TO RATEPAYER	$ 4,480,230	$ 830,145	$ 4,651,783	$ (298,109)	$ 3,289,999	$ 12,998,839	$ 5,173,267	$ 10,598,433	$ 4,484,164	$ 16,811,095	$ 369,822	$ 4,339,398	$ 67,729,065

34 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
35 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY-JUNE 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.

BIG BEND UNITS 1-4 IGNITERS CONVERSION TO NATURAL GAS
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	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	
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%	
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%	
20	EQUITY COMPONENT AFTER-TAX	50,246	48,995	47,745	46,495	45,244	43,994	42,602	41,356	40,110	38,863	37,617	36,371	519,638
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	$ 82,012	$ 79,970	$ 77,929	$ 75,889	$ 73,847	$ 71,807	$ 69,535	$ 67,501	$ 65,468	$ 63,432	$ 61,398	$ 59,365	$ 848,153
23														
24	ALLOWED DEBT RETURN	.15788%	.15788%	.15788%	.15788%	.15788%	.15788%	.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	$ 5,253,790
30														
31	ESTIMATED FUEL SAVINGS	$ 771,015	$ 553,646	$ 911,188	$ 1,043,818	$ 893,318	$ 989,688	$ 299,903	$ 542,560	$ 2,037,574	$ 535,747	$ 25,946	$ 1,436,412	$ 10,040,816
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	$ 5,253,790
33	NET BENEFIT (COST) TO RATEPAYER	$ 318,387	$ 103,610	$ 463,743	$ 598,964	$ 451,055	$ 550,015	$ (135,968)	$ 109,246	$ 1,606,813	$ 107,544	$ (399,700)	$ 1,013,319	$ 4,787,028

34 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
35 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY-JUNE 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)	(2)	(3)	(4)
	Jurisdictional Rate Base **Actual May 2016** ($000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	$ 1,548,383	35.17%	5.17%	1.8200%
Short Term Debt	25,435	0.58%	0.90%	0.0100%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	106,847	2.43%	2.29%	0.0600%
Common Equity	1,847,526	41.96%	10.25%	4.3000%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	866,653	19.69%	0.00%	0.0000%
Deferred ITC - Weighted Cost	7,686	0.17%	7.89%	0.0100%
Total	$ 4,402,530	100.00%		6.20%

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	1,847,526	Equity - Common	54.00%
Total	$ 3,421,345	Total	100.00%

Deferred ITC - Weighted Cost:

Debt = .0100% * 46.00%	0.0046%
Equity = .0100% * 54.00%	0.0054%
Weighted Cost	0.0100%

Total Equity Cost Rate:

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

Total Debt Cost Rate:

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

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) Jurisdictional Rate Base **Actual May 2017** ($000)	(2) Ratio %	(3) Cost Rate %	(4) 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	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	0.23%	7.78%	0.0179%
Total	$ 4,862,681	100.00%		6.09%

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	2,031,177	Equity - Common	54.00%
Total	$ 3,761,439	Total	100.00%

Deferred ITC - Weighted Cost:

Debt = .0100% * 46.00%	0.0082%
Equity = .0100% * 54.00%	0.0097%
Weighted Cost	0.0179%

Total Equity Cost Rate:

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

Total Debt Cost Rate:

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

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)