

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, 2016

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. 160001-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 2015.
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 2015 through December 2015.

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. 160001-EI
FILED: March 2, 2016

**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 2015**

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 \$18,058,299 over-recovery, and net capacity cost recovery true-up amount of \$2,449,694 under-recovery, both for the twelve-month period ending December 2015. In support of this Petition, Tampa Electric states as follows:

1. The \$18,058,299 net fuel and purchased power true-up over-recovery for the period January 2015 through December 2015 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-15-0586-FOF-EI, the Commission approved fuel factors for the period commencing January 2016. These factors reflected an actual/estimated true-up over-recovery, including interest, for the period January 2015 through December 2015 of \$27,590,550 which was also approved in Order No. PSC-15-0586-FOF-EI. The actual over-recovery, including interest, for the period January 2015 through December 2015 is \$45,648,849. The

\$45,648,849 actual over-recovery, less the estimated over-recovery of \$27,590,550 which is currently reflected in charges for the period beginning January 2016, results in a net fuel true-up over-recovery of \$18,058,299 that is to be included in the calculation of the fuel factors for the period beginning January 2017.

3. The \$2,449,694 net capacity true-up under-recovery for the period January 2015 through December 2015 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.

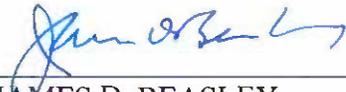
4. By Order No. PSC-15-0586-FOF-EI, the Commission approved capacity factors for the period commencing January 2016. These factors reflected an actual/estimated true-up over-recovery, including interest, for the period January 2015 through December 2015 of \$2,203,769, which was also approved in Order No. PSC-15-0586-FOF-EI. The actual under-recovery, including interest, for the period January 2015 through December 2015 is \$245,925. The \$245,925 actual under-recovery, less the estimated/actual over-recovery of \$2,203,769 which is currently reflected in charges for the period beginning January 2016, results in a net capacity true-up under-recovery of \$2,449,694 that is to be included in the calculation of the capacity factors for the period beginning January 2017.

WHEREFORE, Tampa Electric Company respectfully requests the Commission to approve the company's net fuel true-up amount of \$18,058,299 over-recovery and authorize the inclusion of this amount in the calculation of the fuel factors for the period beginning January 2017; and to approve Tampa Electric's net capacity true-up amount of \$2,449,694 under-

recovery for the period ending December 2015 and authorize the inclusion of this amount in the calculation of the capacity factors for the period beginning January 2017.

DATED this 2nd day of March 2016.

Respectfully submitted,



JAMES D. BEASLEY
J. JEFFRY WAHLEN
ASHLEY M. DANIELS
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 2016 to the following:

Ms. Suzanne Brownless
Ms. Danijela Janjic
Mr. John Villafrate
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
jvillafr@psc.state.fl.us

Ms. Patricia A. Christensen
Mr. Erik Saylor
Mr. Tarik Moriega
Associate Public Counsel
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us
saylor.erik@leg.state.fl.us
moriega.tarik@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

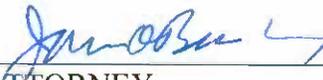
Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. 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
law@smxblaw.com



ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 160001-EI
FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

2015 FINAL TRUE-UP
TESTIMONY AND EXHIBITS

PENELOPE A. RUSK

FILED: MARCH 2, 2016

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **PENELOPE A. RUSK**

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

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

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

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

1 cost recovery clauses, project management, and rate
2 setting activities for wholesale and retail rate cases.
3 My duties include managing cost recovery for fuel and
4 purchased power, interchange sales, capacity payments,
5 and approved environmental projects.
6

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

9 **A.** The purpose of my testimony is to present, for the
10 Commission's review and approval, the final true-up
11 amounts for the period January 2015 through December
12 2015 for the Fuel and Purchased Power Cost Recovery
13 Clause ("Fuel Clause"), the Capacity Cost Recovery
14 Clause ("Capacity Clause"), and the wholesale incentive
15 benchmark for January 2016 through December 2016.
16

17 **Q.** What is the source of the data which you will present by
18 way of testimony or exhibit in this process?
19

20 **A.** Unless otherwise indicated, the actual data is taken
21 from the books and records of Tampa Electric. The books
22 and records are kept in the regular course of business
23 in accordance with generally accepted accounting
24 principles and practices and provisions of the Uniform
25 System of Accounts as prescribed by the Florida Public

1 Service Commission ("Commission").

2
3 **Q.** Have you prepared an exhibit in this proceeding?

4
5 **A.** Yes. Exhibit No. PAR-1, consisting of five documents
6 which are described later in my testimony, was prepared
7 under my direction and supervision.

8
9 **Capacity Cost Recovery Clause**

10 **Q.** What is the final true-up amount for the Capacity Clause
11 for the period January 2015 through December 2015?

12
13 **A.** The final true-up amount for the Capacity Clause for the
14 period January 2015 through December 2015 is an under-
15 recovery of \$2,449,694.

16
17 **Q.** Please describe Document No. 1 of your exhibit.

18
19 **A.** Document No. 1, page 1 of 4, entitled "Tampa Electric
20 Company Capacity Cost Recovery Clause Calculation of
21 Final True-up Variances for the Period January 2015
22 Through December 2015", provides the calculation for the
23 final under-recovery of \$2,449,694. The actual capacity
24 cost under-recovery, including interest, was \$245,925
25 for the period January 2015 through December 2015 as

1 identified in Document No. 1, pages 1 and 2 of 4. This
2 amount, less the \$2,203,769 actual/estimated over-
3 recovery approved in Order No. PSC-15-0586-FOF-EI issued
4 December 23, 2015 in Docket No. 150001-EI, results in a
5 final under-recovery of \$2,449,694 for the period, as
6 identified in Document No. 1, page 4 of 4. This amount
7 will be applied in the calculation of the capacity cost
8 recovery factors for the period January 2017 through
9 December 2017.

10
11 **Q.** What is the estimated effect of this \$2,449,694 under-
12 recovery for the January 2015 through December 2015
13 period on residential bills during January 2017 through
14 December 2017?

15
16 **A.** The \$2,449,694 under-recovery will increase a 1,000 kWh
17 residential bill by approximately \$0.15.

18
19 **Fuel and Purchased Power Cost Recovery Clause**

20 **Q.** What is the final true-up amount for the Fuel Clause for
21 the period January 2015 through December 2015?

22
23 **A.** The final Fuel Clause true-up for the period January
24 2015 through December 2015 is an over-recovery of
25 \$18,058,299. The actual fuel cost over-recovery,

1 including interest, was \$45,648,849 for the period
2 January 2015 through December 2015. This \$45,648,849
3 amount, less the \$27,590,550 actual/estimated over-
4 recovery amount approved in Order No. PSC-15-0586-FOF-
5 EI, issued December 23, 2015 in Docket No. 150001-EI,
6 results in a net over-recovery amount for the period of
7 \$18,058,299.

8
9 **Q.** What is the estimated effect of the \$18,058,299 over-
10 recovery for the January 2015 through December 2015
11 period on residential bills during January 2017 through
12 December 2017?

13
14 **A.** The \$18,058,299 over-recovery will decrease a 1,000 kWh
15 residential bill by approximately \$0.96.

16
17 **Q.** Please describe Document No. 2 of your exhibit.

18
19 **A.** Document No. 2 is entitled "Tampa Electric Company Final
20 Fuel and Purchased Power Over/(Under) Recovery for the
21 Period January 2015 Through December 2015". It shows the
22 calculation of the final fuel over-recovery of
23 \$18,058,299.

24
25 Line 1 shows the total company fuel costs of

1 \$696,924,863 for the period January 2015 through
2 December 2015. The jurisdictional amount of total fuel
3 costs is \$696,924,863, as shown on line 2. This amount
4 is compared to the jurisdictional fuel revenues
5 applicable to the period on line 3 to obtain the actual
6 over-recovered fuel costs for the period, shown on line
7 4. The resulting \$48,541,935 over-recovered fuel costs
8 for the period, interest, true-up collected and the
9 prior period true-up shown on lines 5 through 8
10 respectively, constitute the actual over-recovery of
11 \$45,648,849 shown on line 9. The \$45,648,849 actual
12 amount less the \$27,590,550 actual/estimated over-
13 recovery amount shown on line 10, results in a final
14 \$18,058,299 over-recovery for the period January 2015
15 through December 2015, as shown on line 11.

16
17 **Q.** Please describe Document No. 3 of your exhibit.

18
19 **A.** Document No. 3 is entitled "Tampa Electric Company
20 Calculation of True-up Amount Actual vs. Original
21 Estimates for the Period January 2015 Through December
22 2015." It shows the calculation of the actual over-
23 recovery compared to the estimate for the same period.

24
25 **Q.** What was the total fuel and net power transaction cost

1 variance for the period January 2015 through December
2 2015?

3

4 **A.** As shown on line A7 of Document No. 3, the fuel and net
5 power transaction cost is \$34,904,264 less than the
6 amount originally estimated.

7

8 **Q.** What was the variance in jurisdictional fuel revenues
9 for the period January 2015 through December 2015?

10

11 **A.** As shown on line C3 of Document No. 3, the company
12 collected \$15,481,996, or 2.1 percent greater
13 jurisdictional fuel revenues than originally estimated.

14

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

16

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

22

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

24

25 **A.** Document No. 5 provides the capital costs and fuel

1 savings for the Polk Unit 1 and the Big Bend Units 1-4
2 ignition conversion projects for the period January 2015
3 through December 2015. This document also contains the
4 capital structure components and cost rates relied upon
5 to calculate the revenue requirements rate of return on
6 capital projects recovered through the fuel clause.

7
8 The Polk Unit 1 ignition conversion project capital
9 costs, including depreciation and return, for the period
10 January 2015 through December 2015 are less than the
11 project's fuel savings. This is shown on Document No. 5,
12 page 1, line 33. Therefore, the Polk Unit 1 ignition
13 conversion project capital costs should be recovered
14 through the fuel clause in accordance with FPSC Order
15 No. PSC-12-0498-PAA-EI, issued in Docket No. 120153-EI
16 on September 27, 2012.

17
18 The Big Bend Units 1-4 ignition conversion project
19 capital costs, including depreciation and return, for
20 the period are less than the fuel savings resulting from
21 the project, as shown on Document No. 5, page 2, line
22 33. Therefore, the Big Bend Units 1-4 ignition
23 conversion project capital costs should be recovered
24 through the fuel clause in accordance with FPSC Order
25 No. PSC-14-0309-PAA-EI, issued in Docket No. 140032-EI

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

on June 12, 2014.

Wholesale Incentive Benchmark

Q. What is Tampa Electric's wholesale incentive benchmark for 2016, as derived in accordance with Order No. PSC-01-2371-FOF-EI, in Docket No. 010283-EI?

A. The company's 2016 benchmark is \$1,563,273, which is the three-year average of \$894,045, \$3,298,966 and 496,810 actual gains on non-separated wholesale sales, excluding emergency sales, for 2013, 2014 and 2015, respectively.

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

DOCUMENT NO.	TITLE	PAGE
1	Final Capacity Over/ (Under) Recovery For January 2015 - December 2015	12
2	Final Fuel and Purchased Power Over/ (Under) Recovery for January 2015 - December 2015	17
3	Actual Fuel and Purchased Power True-up vs. Original Estimates January 2015 - December 2015	19
4	Fuel and Purchased Power Cost Recovery YTD December 2015 Schedules A1, A2, A6 through A9 and A12	21
5	Capital Projects Approved for Fuel Clause Recovery January 2015 - December 2015	39

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 1

FINAL CAPACITY OVER/(UNDER)RECOVERY FOR
JANUARY 2015 - DECEMBER 2015

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

1. Actual End-of-Period True-up: Over/(Under) Recovery	(\$245,925)
2. Less: Actual/Estimated Over/(Under) Recovery Per Order No. PSC-15-0586-FOF-EI For the January 2015 Through December 2015 Period	<u>2,203,769</u>
3. Final True-up: Over/(Under) Recovery to Be Carried Forward to the January 2017 Through December 2017 Period	<u>(\$2,449,694)</u>

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Total
1 UNIT POWER CAPACITY CHARGES	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CAPACITY PAYMENTS TO COGENERATORS	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	15,141,360
3 SCHEDULE J,D, & EMERG CAPACITY CHARGES	1,438,481	1,452,587	1,476,211	1,490,199	1,599,706	1,602,103	1,648,716	1,656,960	1,663,831	1,620,770	1,579,383	1,436,485	18,665,432
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0	0	0	0	0	0	0	0	0	0
5 (CAPACITY REVENUES)	(109,297)	(97,554)	(62,789)	(170,898)	(13,413)	(8,635)	(16,785)	(11,793)	(15,432)	(38,041)	(22,307)	(215,068)	(782,012)
6 TOTAL CAPACITY DOLLARS	2,590,964	2,616,813	2,675,202	2,581,081	2,848,073	2,855,248	2,893,711	2,906,947	2,910,179	2,844,509	2,818,856	2,483,197	33,024,780
7 JURISDICTIONAL PERCENTAGE	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
8 JURISDICTIONAL CAPACITY DOLLARS	2,590,964	2,616,813	2,675,202	2,581,081	2,848,073	2,855,248	2,893,711	2,906,947	2,910,179	2,844,509	2,818,856	2,483,197	33,024,780
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	2,397,187	2,287,835	2,347,863	2,533,298	2,742,593	3,074,206	3,169,350	2,995,399	3,146,471	2,882,777	2,640,400	2,455,017	32,672,396
10 PRIOR PERIOD TRUE-UP PROVISION	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,794)	(2,792)	(33,526)
11 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	2,394,393	2,285,041	2,345,069	2,530,504	2,739,799	3,071,412	3,166,556	2,992,605	3,143,677	2,879,983	2,637,606	2,452,225	32,638,870
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	(196,571)	(331,772)	(330,133)	(50,577)	(108,274)	216,164	272,845	85,658	233,498	35,474	(181,250)	(30,972)	(385,910)
13 INTEREST PROVISION FOR PERIOD	1	(20)	(46)	(46)	(59)	(63)	(43)	(32)	(20)	(6)	(14)	(53)	(401)
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	106,860	(86,916)	(415,914)	(743,299)	(791,128)	(896,667)	(677,772)	(402,176)	(313,756)	(77,484)	(39,222)	(217,692)	106,860
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	2,794	2,794	2,794	2,794	2,794	2,794	2,794	2,794	2,794	2,794	2,794	2,792	33,526
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	(86,916)	(415,914)	(743,299)	(791,128)	(896,667)	(677,772)	(402,176)	(313,756)	(77,484)	(39,222)	(217,692)	(245,925)	(245,925)

14

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Total
1 BEGINNING TRUE-UP AMOUNT	106,860	(86,916)	(415,914)	(743,299)	(791,128)	(896,667)	(677,772)	(402,176)	(313,756)	(77,484)	(39,222)	(217,692)	106,860
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(86,917)	(415,894)	(743,253)	(791,082)	(896,608)	(677,709)	(402,133)	(313,724)	(77,464)	(39,216)	(217,678)	(245,872)	(245,524)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT. (LINE 1 + LINE 2)	19,943	(502,810)	(1,159,167)	(1,534,381)	(1,687,736)	(1,574,376)	(1,079,905)	(715,900)	(391,220)	(116,700)	(256,900)	(463,564)	(138,664)
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	9,972	(251,405)	(579,584)	(767,191)	(843,868)	(787,188)	(539,953)	(357,950)	(195,610)	(58,350)	(128,450)	(231,782)	(69,332)
5 INTEREST RATE % - 1ST DAY OF MONTH	0.100	0.100	0.090	0.090	0.060	0.100	0.080	0.110	0.110	0.130	0.120	0.150	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	0.100	0.090	0.090	0.060	0.100	0.080	0.110	0.110	0.130	0.120	0.150	0.400	NA
7 TOTAL (LINE 5 + LINE 6)	0.200	0.190	0.180	0.150	0.160	0.180	0.190	0.220	0.240	0.250	0.270	0.550	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	0.100	0.095	0.090	0.075	0.080	0.090	0.095	0.110	0.120	0.125	0.135	0.275	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.008	0.008	0.008	0.006	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.023	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	1	(20)	(46)	(46)	(59)	(63)	(43)	(32)	(20)	(6)	(14)	(53)	(401)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

	(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	15,141,360	15,141,360	0	0.00%
3 SCHEDULE J & D CAPACITY CHARGES	18,665,432	\$18,321,586	343,846	2.00%
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0.00%
5 (CAPACITY REVENUES)	(782,012)	(925,170)	143,158	-15.47%
6 TOTAL CAPACITY DOLLARS	\$33,024,780	\$32,537,776	\$487,004	1.50%
7 JURISDICTIONAL PERCENTAGE	100.00000%	100.00000%	0.00000%	0.00%
8 JURISDICTIONAL CAPACITY DOLLARS	\$33,024,780	\$32,537,776	\$487,004	1.50%
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	32,672,396	34,630,513	(1,958,117)	-5.65%
10 PRIOR PERIOD TRUE-UP PROVISION	(33,526)	(33,526)	0	0.00%
11 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	\$32,638,870	\$34,596,987	(\$1,958,117)	-5.66%
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	(\$385,910)	\$2,059,211	(\$2,445,121)	-118.74%
13 INTEREST PROVISION FOR PERIOD	(401)	4,172	(4,573)	-109.61%
14 OTHER ADJUSTMENT	0	0	0	0.00%
15 TRUE-UP AND INT. PROVISION BEGINNING OF PERIOD - OVER/(UNDER) RECOVERY	106,860	106,860	0	0.00%
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	33,526	33,526	0	0.00%
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	(\$245,925)	\$2,203,769	(\$2,449,694)	-111.16%

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 2

FINAL FUEL AND PURCHASED POWER OVER/(UNDER)RECOVERY
FOR
JANUARY 2015 - DECEMBER 2015

TAMPA ELECTRIC COMPANY
FINAL FUEL AND PURCHASED POWER OVER/(UNDER) RECOVERY
FOR THE PERIOD
JANUARY 2015 THROUGH DECEMBER 2015

1 TOTAL FUEL COSTS FOR THE PERIOD	\$696,924,863
2 JURISDICTIONAL FUEL COSTS (INCL. ALL ADJUSTMENTS)	696,924,863
3 JURISDICTIONAL FUEL REVENUES APPLICABLE TO THE PERIOD	<u>745,466,798</u>
4 ACTUAL OVER/(UNDER) RECOVERED FUEL COSTS FOR THE PERIOD (LINE 3 - LINE 2)	48,541,935
5 ADJUSTMENTS	0
6 INTEREST	25,926
7 TRUE-UP COLLECTED	(13,386,199)
8 PRIOR PERIOD TRUE-UP (ACTUAL ENDING 12/14)	<u>10,467,182</u>
9 ACTUAL OVER/(UNDER) RECOVERY FOR THE PERIOD (LINE 4 + LINE 5 + LINE 6 + LINE 7 + LINE 8)	45,648,849
10 PROJECTED OVER-RECOVERY PER PROJECTION FILED 9/1/15 (SCHEDULE E1-A LINE 3)	<u>27,590,550</u>
11 FINAL FUEL OVER/(UNDER) RECOVERY (LINE 9 - LINE 10)	<u><u>\$18,058,299</u></u>

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 3

ACTUAL FUEL AND PURCHASED POWER TRUE-UP

VS.

ORIGINAL ESTIMATES

JANUARY 2015 - DECEMBER 2015

TAMPA ELECTRIC COMPANY
CALCULATION OF TRUE-UP AMOUNT
ACTUAL vs. ORIGINAL ESTIMATES
FOR THE PERIOD
JANUARY 2015 THROUGH DECEMBER 2015

	ACTUAL	ESTIMATED	VARIANCE AMOUNT	%
A 1. FUEL COST OF SYSTEM NET GENERATION	\$647,742,170	\$698,913,664	(\$51,171,494)	(7.3)
2. FUEL COST OF POWER SOLD	2,726,958	5,966,348	(3,239,390)	(54.3)
2a. GAINS FROM SALES	496,810	581,934	(85,124)	(14.6)
3. FUEL COST OF PURCHASED POWER	19,046,419	6,810,170	12,236,249	179.7
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0
3b. PAYMENT TO QUALIFIED FACILITIES	8,657,036	8,238,900	418,136	5.1
4. ENERGY COST OF ECONOMY PURCHASES	17,356,085	16,990,090	365,995	2.2
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJEC	3,689,743	3,310,090	379,653	11.5
6b. ADJ. - POLK 1 CONVERSION DEPRECIATION & ROI	4,109,281	4,114,495	(5,214)	(0.1)
6c. ADJ. - POLK WARM GAS CLEANUP	(452,103)	0	(452,103)	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. (SUM OF LINES A1 THRU 6c)	\$696,924,863	\$731,829,127	(\$34,904,264)	(4.8)
C 1. JURISDICTIONAL FUEL REVENUE	\$733,770,327	\$718,288,323	\$15,482,004	2.2
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0
2a. TRUE-UP PROVISION	13,386,199	13,386,207	(8)	0.0
2b. INCENTIVE PROVISION	(1,689,728)	(1,689,728)	0	0.0
2c. ADJUSTMENT	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD (Sum of Lines C1 through C2c)	745,466,798	729,984,802	15,481,996	2.1
6d. JURISD. TOTAL FUEL & NET PWR. TRANS.	696,924,863	731,829,127	(34,904,264)	(4.8)
7. TRUE-UP PROV.- THIS PER. (LINE C3-C6d)	48,541,935	(1,844,325)	50,386,260	(2,732.0)
7a. ADJUSTMENTS	0	0	0	0.0
8. INTEREST PROVISION - THIS PERIOD	25,856	5,368	20,488	381.7
8a. PRIOR MONTHS INTEREST ADJUSTMENT	70	0	70	0.0
8b. TOTAL TRUE-UP AMOUNT FOR PERIOD (LINE 7 through 8a)	\$48,567,861	(\$1,838,957)	\$50,406,818	(2,741.1)
9. TRUE-UP & INT. PROV. BEG. OF PERIOD (Beginning January 2015)	10,467,182	13,386,207	(2,919,025)	(21.8)
10. TRUE-UP COLLECTED (REFUNDED)	(13,386,199)	(13,386,207)	8	0.0
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C8b through C10)	\$45,648,849	(\$1,838,957)	\$47,487,806	(2,582.3)

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 2015

SCHEDULES A1 AND A2

AND

SCHEDULES A6 THROUGH A9

AND

SCHEDULE A12

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULES A1 AND A2

DECEMBER 2015

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: December 2015

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	49,770,094	51,912,405	(2,142,311)	-4.1%	1,523,029	1,410,640	112,389	8.0%	3.26784	3.68006	(0.41222)	-11.2%
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	484,479	395,382	89,097	22.5%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	330,819	331,623	(804)	-0.2%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments - Polk Warm Gas Cleanup	(25,760)	0	(25,760)	0.0%	(4,846)	0	(4,846)	0.0%	0.53157	0.00000	0.53157	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	50,559,632	52,639,410	(2,079,778)	-4.0%	1,518,183	1,410,640	107,543	7.6%	3.33027	3.73160	(0.40133)	-10.8%
6. Fuel Cost of Purchased Power - Firm (A7)	461,388	215,800	245,588	113.8%	12,351	5,270	7,081	134.4%	3.73563	4.09488	(0.35924)	-8.8%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	114,246	1,072,240	(957,994)	-89.3%	4,166	36,170	(32,004)	-88.5%	2.74234	2.96445	(0.22210)	-7.5%
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)	448,948	714,960	(266,012)	-37.2%	21,672	20,960	712	3.4%	2.07156	3.41107	(1.33951)	-39.3%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	1,024,582	2,003,000	(978,418)	-48.8%	38,189	62,400	(24,211)	-38.8%	2.68292	3.20994	(0.52701)	-16.4%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,556,372	1,473,040	83,332	5.7%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	5,741	17,700	(11,959)	-67.6%	295	580	(285)	-49.1%	1.94610	3.05172	(1.10562)	-36.2%
15. Fuel Cost of Sch. C/CB Sales (A6)	184,792	0	184,792	0.0%	10,432	0	10,432	0.0%	1.77140	0.00000	1.77140	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)	89,381	399,960	(310,579)	-77.7%	4,605	13,210	(8,605)	-65.1%	1.94096	3.02771	(1.08675)	-35.9%
18. Gains on Sales	(16,703)	37,174	(53,877)	-144.9%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	263,211	454,834	(191,623)	-42.1%	15,332	13,790	1,542	11.2%	1.71674	3.29829	(1.58155)	-48.0%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					910	0	910	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					1,793	0	1,793	0.0%				
22. Interchange and Wheeling Losses					2,030	231	1,799	780.0%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	51,321,003	54,187,576	(2,866,573)	-5.3%	1,541,713	1,459,019	82,694	5.7%	3.32883	3.71397	(0.38514)	-10.4%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	529,650 (a)	794,604 (a)	(264,954)	-33.3%	15,911	21,395	(5,484)	-25.6%	3.32883	3.71397	(0.38514)	-10.4%
25. Company Use	90,810 (a)	101,763 (a)	(10,953)	-10.8%	2,728	2,740	(12)	-0.4%	3.32881	3.71398	(0.38517)	-10.4%
26. T & D Losses	2,943,891 (a)	2,428,541 (a)	515,350	21.2%	88,436	65,389	23,047	35.2%	3.32883	3.71397	(0.38514)	-10.4%
27. System KWH Sales	51,321,003	54,187,576	(2,866,573)	-5.3%	1,434,638	1,369,495	65,143	4.8%	3.57728	3.95676	(0.37948)	-9.6%
28. Wholesale KWH Sales	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
29. Jurisdictional KWH Sales	51,321,003	54,187,576	(2,866,573)	-5.3%	1,434,638	1,369,495	65,143	4.8%	3.57728	3.95676	(0.37948)	-9.6%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	51,321,003	54,187,576	(2,866,573)	-5.3%	1,434,638	1,369,495	65,143	4.8%	3.57728	3.95676	(0.37948)	-9.6%
32. Other	0	0	0	0.0%	1,434,638	1,369,495	65,143	4.8%	0.00000	0.00000	0.00000	0.0%
33. True-up *	(1,115,512)	(1,115,520)	8	0.0%	1,434,638	1,369,495	65,143	4.8%	(0.07776)	(0.08145)	0.00370	-4.5%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	50,205,491	53,072,056	(2,866,565)	-5.4%	1,434,638	1,369,495	65,143	4.8%	3.49952	3.87530	(0.37578)	-9.7%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	50,241,639	53,110,268	(2,868,629)	-5.4%	1,434,638	1,369,495	65,143	4.8%	3.50204	3.87809	(0.37605)	-9.7%
37. GPIF * (Already Adjusted for Taxes)	140,807	140,807	0	0.0%	1,434,638	1,369,495	65,143	4.8%	0.00981	0.01028	(0.00047)	-4.5%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	50,382,446	53,251,075	(2,868,629)	-5.4%	1,434,638	1,369,495	65,143	4.8%	3.51185	3.88837	(0.37652)	-9.7%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.512	3.888	(0.376)	-9.7%

* 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 2015

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	647,742,170	698,913,664	(51,171,494)	-7.3%	19,037,980	18,831,670	206,310	1.1%	3.40237	3.71137	(0.30901)	-8.3%
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	3,689,743	3,310,090	379,653	11.5%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	4,109,281	4,114,495	(5,214)	-0.1%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments - Polk Warm Gas Cleanup	(452,103)	0	(452,103)	0.0%	(21,290)	0	(21,290)	0.0%	2.12355	0.00000	2.12355	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	655,089,091	706,338,249	(51,249,158)	-7.3%	19,016,690	18,831,670	185,020	1.0%	3.44481	3.75080	(0.30599)	-8.2%
6. Fuel Cost of Purchased Power - Firm (A7)	19,046,419	6,810,170	12,236,249	179.7%	450,462	154,460	296,002	191.6%	4.22820	4.40902	(0.18082)	-4.1%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	17,356,085	16,990,090	365,995	2.2%	423,960	509,460	(85,500)	-16.8%	4.09380	3.33492	0.75888	22.8%
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)	8,657,036	8,238,900	418,136	5.1%	340,729	256,140	84,589	33.0%	2.54074	3.21656	(0.67582)	-21.0%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	45,059,540	32,039,160	13,020,380	40.6%	1,215,151	920,060	295,091	32.1%	3.70814	3.48229	0.22585	6.5%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					20,231,841	19,751,730	480,111	2.4%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	120,807	321,850	(201,043)	-62.5%	5,357	10,330	(4,973)	-48.1%	2.25512	3.11568	(0.86056)	-27.6%
15. Fuel Cost of Sch. C/CB Sales (A6)	1,960,374	0	1,960,374	0.0%	80,140	0	80,140	0.0%	2.44619	0.00000	2.44619	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)	645,777	5,644,498	(4,998,721)	-88.6%	29,782	178,480	(148,698)	-83.3%	2.16835	3.16254	(0.99419)	-31.4%
18. Gains on Sales	496,810	581,934	(85,124)	-14.6%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	3,223,768	6,548,282	(3,324,514)	-50.8%	115,279	188,810	(73,531)	-38.9%	2.79649	3.46819	(0.67169)	-19.4%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					(304)	0	(304)	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					33,155	0	33,155	0.0%				
22. Interchange and Wheeling Losses					35,185	3,197	31,988	1000.6%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	696,924,863	731,829,127	(34,904,264)	-4.8%	20,114,228	19,559,723	554,505	2.8%	3.46484	3.74151	(0.27668)	-7.4%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	4,073,394 (a)	2,291,850 (a)	1,781,544	77.7%	115,229	61,891	53,338	86.2%	3.53504	3.70304	(0.16800)	-4.5%
25. Company Use	1,221,660 (a)	1,230,985 (a)	(9,325)	-0.8%	35,190	32,880	2,310	7.0%	3.47161	3.74387	(0.27226)	-7.3%
26. T & D Losses	33,025,227 (a)	31,165,788 (a)	1,859,439	6.0%	958,411	834,552	123,859	14.8%	3.44583	3.73443	(0.28860)	-7.7%
27. System KWH Sales	696,924,863	731,829,127	(34,904,264)	-4.8%	19,005,398	18,630,400	374,998	2.0%	3.66698	3.92815	(0.26116)	-6.6%
28. Wholesale KWH Sales	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
29. Jurisdictional KWH Sales	696,924,863	731,829,127	(34,904,264)	-4.8%	19,005,398	18,630,400	374,998	2.0%	3.66698	3.92815	(0.26116)	-6.6%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	696,924,863	731,829,127	(34,904,264)	-4.8%	19,005,398	18,630,400	374,998	2.0%	3.66698	3.92815	(0.26116)	-6.6%
32. Other	0	0	0	0.0%	19,005,398	18,630,400	374,998	2.0%	0.00000	0.00000	0.00000	0.0%
33. True-up *	(13,386,199)	(13,386,207)	8	0.0%	19,005,398	18,630,400	374,998	2.0%	(0.07043)	(0.07185)	0.00142	-2.0%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	683,538,664	718,442,920	(34,904,256)	-4.9%	19,005,398	18,630,400	374,998	2.0%	3.59655	3.85629	(0.25974)	-6.7%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	684,030,811	718,960,200	(34,929,389)	-4.9%	19,005,398	18,630,400	374,998	2.0%	3.59914	3.85907	(0.25993)	-6.7%
37. GPIF * (Already Adjusted for Taxes)	1,689,728	1,689,728	0	0.0%	19,005,398	18,630,400	374,998	2.0%	0.00889	0.00907	(0.00018)	-2.0%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	685,720,539	720,649,928	(34,929,389)	-4.8%	19,005,398	18,630,400	374,998	2.0%	3.60803	3.86814	(0.26011)	-6.7%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.608	3.868	(0.260)	-6.7%

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

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2015

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	49,770,094	51,912,405	(2,142,311)	-4.1%	647,742,170	698,913,664	(51,171,494)	-7.3%
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0%	0	0	0	0.0%
2. FUEL COST OF POWER SOLD	279,914	417,660	(137,746)	-33.0%	2,726,958	5,966,348	(3,239,390)	-54.3%
2a. GAINS FROM SALES	(16,703)	37,174	(53,877)	-144.9%	496,810	581,934	(85,124)	-14.6%
3. FUEL COST OF PURCHASED POWER	461,388	215,800	245,588	113.8%	19,046,419	6,810,170	12,236,249	179.7%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	448,948	714,960	(266,012)	-37.2%	8,657,036	8,238,900	418,136	5.1%
4. ENERGY COST OF ECONOMY PURCHASES	114,246	1,072,240	(957,994)	-89.3%	17,356,085	16,990,090	365,995	2.2%
5. TOTAL FUEL & NET POWER TRANSACTION	50,531,465	53,460,571	(2,929,106)	-5.5%	689,577,942	724,404,542	(34,826,600)	-4.8%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	484,479	395,382	89,097	22.5%	3,689,743	3,310,090	379,653	11.5%
6b. ADJ. - POLK 1 CONVERSION DEPRECIATION & ROI	330,819	331,623	(804)	-0.2%	4,109,281	4,114,495	(5,214)	-0.1%
6c. ADJ. - POLK WARM GAS CLEANUP	(25,760)	0	(25,760)	0.0%	(452,103)	0	(452,103)	0.0%
7. ADJUSTED TOTAL FUEL & NET PWR.TRANS.	51,321,003	54,187,576	(2,866,573)	-5.3%	696,924,863	731,829,127	(34,904,264)	-4.8%
B. MWH SALES								
1. JURISDICTIONAL SALES	1,434,638	1,369,495	65,143	4.8%	19,005,398	18,630,400	374,998	2.0%
2. NONJURISDICTIONAL SALES	0	0	0	0.0%	0	0	0	0.0%
3. TOTAL SALES	1,434,638	1,369,495	65,143	4.8%	19,005,398	18,630,400	374,998	2.0%
4. JURISDIC. SALES-% TOTAL MWH SALES	1.0000000	1.0000000	0.0000000	0.0%	1.0000000	1.0000000	0.0000000	0.0%

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2015

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		
			AMOUNT	%			AMOUNT	%	
C. TRUE-UP CALCULATION									
1. JURISDICTIONAL FUEL REVENUE	54,838,456	52,196,822	2,641,634	5.1%	733,770,327	718,288,323	15,482,004	2.2%	
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0%	0	0	0	0.0%	
2a. TRUE-UP PROVISION	1,115,512	1,115,520	(8)	0.0%	13,386,199	13,386,207	(8)	0.0%	
2b. INCENTIVE PROVISION	(140,807)	(140,807)	0	0.0%	(1,689,728)	(1,689,728)	0	0.0%	
2c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%	
3. JURIS. FUEL REVENUE APPL. TO PERIOD	55,813,161	53,171,535	2,641,626	5.0%	745,466,798	729,984,802	15,481,996	2.1%	
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	51,321,003	54,187,576	(2,866,573)	-5.3%	696,924,863	731,829,127	(34,904,264)	-4.8%	
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B4)	1.0000000	1.0000000	0.0000000	0.0%	-	-	-	-	
6. JURISDIC. TOTAL FUEL & NET PWR.TRANS.	51,321,003	54,187,576	(2,866,573)	-5.3%	696,924,863	731,829,127	(34,904,264)	-4.8%	
6a. JURISDIC. LOSS MULTIPLIER	1.00000	1.00000	0.00000	0.0%	-	-	-	-	
6b. (LINE C6 x LINE C6a)	51,321,003	54,187,576	(2,866,573)	-5.3%	696,924,863	731,829,127	(34,904,264)	-4.8%	
6c. OTHER	0	0	0	0.0%	0	0	0	0.0%	
6d. JURISDIC. TOTAL FUEL & NET PWR INCL. ALL ADJ.(LNS. C6b+C6c)	51,321,003	54,187,576	(2,866,573)	-5.3%	696,924,863	731,829,127	(34,904,264)	-4.8%	
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	4,492,158	(1,016,041)	5,508,199	-542.1%	48,541,935	(1,844,325)	50,386,260	-2732.0%	
8. INTEREST PROVISION FOR THE MONTH	10,109	(147)	10,256	-6976.9%	25,856	5,368	20,488	381.7%	
8a. PRIOR MONTHS INTEREST ADJUSTMENT	0	0	0	0.0%	70	0	70	0.0%	
9. TRUE-UP & INT. PROV. BEG. OF MONTH	42,262,094	292,751	41,969,343	14336.2%	-----NOT APPLICABLE-----				
10. TRUE-UP COLLECTED (REFUNDED)	(1,115,512)	(1,115,520)	8	0.0%	-----NOT APPLICABLE-----				
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	45,648,849	(1,838,957)	47,487,806	-2582.3%	-----NOT APPLICABLE-----				

26

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2015

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	42,262,094	292,751	41,969,343	14336.2%				NOT APPLICABLE
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	45,638,740	(1,838,810)	47,477,550	-2582.0%				NOT APPLICABLE
3. TOTAL BEG. & END. TRUE-UP AMOUNT	87,900,834	(1,546,059)	89,446,893	-5785.5%				NOT APPLICABLE
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	43,950,417	(773,030)	44,723,447	-5785.5%				NOT APPLICABLE
5. INT. RATE-FIRST DAY REP. BUS. MONTH	0.150	0.230	(0.080)	-34.8%				NOT APPLICABLE
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	0.400	0.230	0.170	73.9%				NOT APPLICABLE
7. TOTAL (LINE D5 + LINE D6)	0.550	0.460	0.090	19.6%				NOT APPLICABLE
8. AVERAGE INT. RATE (50% OF LINE D7)	0.275	0.230	0.045	19.6%				NOT APPLICABLE
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.023	0.019	0.004	21.1%				NOT APPLICABLE
10. INT. PROVISION (LINE D4 x LINE D9)	10,109	(147)	10,256	-6976.9%				NOT APPLICABLE

27

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A6

JANUARY 2015 - DECEMBER 2015

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

(1) SOLD TO	(2) TYPE & SCHEDULE		(3) TOTAL MWH SOLD	(4) MWH WHEELED OTHER SYSTEM	(5) MWH FROM OWN GENERATION	(6) CENTS/KWH		(7) TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6A)	(8) TOTAL \$ FOR TOTAL COST (5)X(6B)	(9) GAINS ON MARKET BASED SALES
						(A) FUEL COST	(B) TOTAL COST			
ESTIMATED:										
SEMINOLE	JURISD.	SCH. - D	10,330.0	0.0	10,330.0	3.116	3.318	321,850.00	342,726.00	20,876.00
VARIOUS	JURISD.	MKT.BASE	178,480.0	0.0	178,480.0	3.163	3.479	5,644,499.13	6,209,570.00	561,056.87
TOTAL			188,810.0	0.0	188,810.0	3.160	3.470	5,966,349.13	6,552,296.00	581,932.87
ACTUAL:										
SEMINOLE ELEC. PRECO-1	JURISD.	SCH. - D	5,364.1	8.3	5,355.8	2.256	2.481	120,806.67	132,858.50	5,284.15
FLORIDA POWER & LIGHT		SCH. - C	25.0	0.0	25.0	2.741	3.177	685.25	794.21	87.71
REEDY CREEK		SCH. - C	28.0	0.0	28.0	2.217	2.814	620.66	787.87	118.82
ORLANDO UTILITIES COMMISSION		SCH. - C	49.0	0.0	49.0	1.264	1.831	619.36	897.19	161.21
THE ENERGY AUTHORITY		SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	40.54	40.54
CITY OF HOMESTEAD		SCH. - C	10.0	0.0	10.0	1.958	2.963	195.78	296.29	72.91
PROGRESS ENERGY FLORIDA		SCH. - CB	2,491.0	0.0	2,491.0	4.007	5.146	99,826.47	128,189.59	23,923.07
FLORIDA POWER & LIGHT		SCH. - CB	5,475.0	0.0	5,475.0	3.143	3.578	172,073.82	195,900.63	17,717.81
REEDY CREEK		SCH. - CB	58,942.0	0.0	58,942.0	2.395	2.916	1,411,479.59	1,718,696.74	143,700.73
ORLANDO UTILITIES COMMISSION		SCH. - CB	3,236.0	0.0	3,236.0	2.493	2.984	80,670.94	96,548.60	8,418.38
SEMINOLE ELECTRIC		SCH. - CB	9,613.0	0.0	9,613.0	1.944	2.384	186,848.82	229,216.82	19,389.71
THE ENERGY AUTHORITY		SCH. - CB	71.0	0.0	71.0	1.774	2.111	1,259.54	1,499.13	136.64
CITY OF LAKELAND		SCH. - CB	200.0	0.0	200.0	3.046	3.562	6,092.47	7,124.12	647.65
CARGILL ALLIANT		SCH. - MA	787.0	0.0	787.0	2.284	3.293	17,971.16	25,917.36	5,708.29
EXGEN		SCH. - MA	6,527.0	0.0	6,527.0	1.828	2.882	119,343.86	188,079.35	51,370.37
NEW SMYRNA BEACH		SCH. - MA	2,907.0	0.0	2,907.0	2.413	3.353	70,146.26	97,466.05	21,217.15
REEDY CREEK		SCH. - MA	1,133.0	0.0	1,133.0	2.740	2.983	31,039.00	33,798.00	2,759.00
SOUTHERN COMPANY		SCH. - MA	2,534.0	0.0	2,534.0	1.909	2.819	48,371.63	71,420.93	15,796.72
THE ENERGY AUTHORITY		SCH. - MA	9,641.0	0.0	9,641.0	1.971	2.879	190,022.46	277,612.43	62,705.49
EDF TRADING		SCH. - MA	2,405.0	0.0	2,405.0	3.206	6.919	77,101.21	166,413.38	84,051.71
JP MORGAN VENTURES		SCH. - MA	1,991.0	0.0	1,991.0	2.721	4.185	54,165.37	83,318.81	24,086.67
MORGAN STANLEY		SCH. - MA	1,487.0	0.0	1,487.0	1.779	2.584	26,449.11	38,429.09	8,047.97
RAINBOW ENERGY		SCH. - MA	360.0	0.0	360.0	3.025	3.300	10,890.00	11,880.00	990.00
CITY OF HOMESTEAD		SCH. - MA	10.0	0.0	10.0	2.795	7.000	279.50	699.98	417.48
LESS 20% - THRESHOLD EXCESS	*	SCH. - C								(40.54)
SUB-TOTAL			115,286.1	8.3	115,277.8	2.366	3.043	2,726,958.93	3,507,885.61	496,809.64
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.			5,364.1	8.3	5,355.8	2.256	2.481	120,806.67	132,858.50	5,284.15
SUB-TOTAL SCHEDULE C POWER SALES			112.0	0.0	112.0	1.894	2.514	2,121.05	2,816.10	440.65
SUB-TOTAL SCHEDULE CB POWER SALES			80,028.0	0.0	80,028.0	2.447	2.970	1,958,251.65	2,377,175.63	213,933.99
SUB-TOTAL SCHEDULE MA POWER SALES-JURISD.			29,782.0	0.0	29,782.0	2.168	3.341	645,779.56	995,035.38	277,150.85
TOTAL			115,286.1	8.3	115,277.8	2.366	3.043	2,726,958.93	3,507,885.61	496,809.64
DIFFERENCE			(73,523.9)	8.3	(73,532.2)	(0.794)	(0.427)	(3,239,390.20)	(3,044,410.39)	(85,123.23)
DIFFERENCE %			-38.9%	0.0%	-38.9%	-25.1%	-12.3%	-54.3%	-46.5%	-14.6%

* Adjustment related to May 2014

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A7

JANUARY 2015 - DECEMBER 2015

**PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015**

(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:								
OLEANDER	SCH. - D	17,320.0	0.0	0.0	17,320.0	5.951	5.951	1,030,700.00
CALPINE	SCH. - D	12,560.0	0.0	0.0	12,560.0	6.465	6.465	812,050.00
PASCO COGEN	SCH. - D	124,580.0	0.0	0.0	124,580.0	3.987	3.987	4,967,420.00
TOTAL		154,460.0	0.0	0.0	154,460.0	4.409	4.409	6,810,170.00
ACTUAL:								
CALPINE	SCH. - D	47,483.0	0.0	0.0	47,483.0	5.070	5.070	2,407,200.01
PASCO COGEN	SCH. - D	293,455.0	0.0	0.0	293,455.0	3.851	3.851	11,300,021.12
OLEANDER	SCH. - D	96,601.0	0.0	0.0	96,601.0	5.111	5.111	4,937,027.94
DUKE	OATT	1,790.0	0.0	0.0	1,790.0	3.071	3.071	54,963.57
CALPINE TECM/OSPREY	OATT	11,133.0	0.0	0.0	11,133.0	3.119	3.119	347,206.22
SUB-TOTAL		450,462.0	0.0	0.0	450,462.0	4.228	4.228	19,046,418.86
SUB-TOTAL SCHEDULE D PURCHASED POWER		437,539.0	0.0	0.0	437,539.0	4.261	4.261	18,644,249.07
SUB-TOTAL SCHEDULE OATT PURCHASED POWER		12,923.0	0.0	0.0	12,923.0	3.112	3.112	402,169.79
TOTAL		450,462.0	0.0	0.0	450,462.0	4.228	4.228	19,046,418.86
DIFFERENCE		296,002.0	0.0	0.0	296,002.0	(0.181)	(0.181)	12,236,248.86
DIFFERENCE %		191.6%	0.0%	0.0%	191.6%	-4.1%	-4.1%	179.7%

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A8

JANUARY 2015 - DECEMBER 2015

ENERGY PAYMENT TO QUALIFYING FACILITIES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FROM OTHER UTILITIES	MWH FOR INTER- RUPTIBLE	MWH FOR FIRM	CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT (6)X(7A)
						(A) FUEL COST	(B) TOTAL COST	
ESTIMATED:								
VARIOUS								
	COGEN.							
	FIRM	72,770.0	0.0	0.0	72,770.0	3.010	3.010	2,190,110.00
	AS AVAIL.	183,370.0	0.0	0.0	183,370.0	3.299	3.299	6,048,790.00
TOTAL		<u>256,140.0</u>	<u>0.0</u>	<u>0.0</u>	<u>256,140.0</u>	<u>3.217</u>	<u>3.217</u>	<u>8,238,900.00</u>
ACTUAL:								
	FIRM							
ORANGE COGENERATION L.P.	COGEN.	66,374.0	0.0	0.0	66,374.0	2.479	2.479	1,645,397.40
	AS AVAILABLE							
McKAY BAY REFUSE	COGEN.	5,530.0	0.0	0.0	5,530.0	2.979	2.979	164,758.25
CARGILL RIDGEWOOD	COGEN.	33,050.9	0.0	0.0	33,050.9	2.569	2.569	849,043.73
CARGILL MILLPOINT	COGEN.	40,338.0	0.0	0.0	40,338.0	2.508	2.508	1,011,500.64
CF INDUSTRIES INC.	COGEN.	10,446.0	0.0	0.0	10,446.0	2.594	2.594	270,965.04
IMC-AGRICO-NEW WALES	COGEN.	17,284.0	0.0	0.0	17,284.0	2.612	2.612	451,409.35
IMC-AGRICO-S. PIERCE	COGEN.	167,686.0	0.0	0.0	167,686.0	2.543	2.543	4,263,456.94
HILLSBOROUGH COUNTY	COGEN.	20.0	0.0	0.0	20.0	2.540	2.540	507.95
SUB-TOTAL		<u>340,728.9</u>	<u>0.0</u>	<u>0.0</u>	<u>340,728.9</u>	<u>2.541</u>	<u>2.541</u>	<u>8,657,039.30</u>
SUB-TOTAL FOR FIRM		66,374.0	0.0	0.0	66,374.0	2.479	2.479	1,645,397.40
SUB-TOTAL FOR AS AVAIL.		<u>274,354.9</u>	<u>0.0</u>	<u>0.0</u>	<u>274,354.9</u>	<u>2.556</u>	<u>2.556</u>	<u>7,011,641.90</u>
TOTAL		<u>340,728.9</u>	<u>0.0</u>	<u>0.0</u>	<u>340,728.9</u>	<u>2.541</u>	<u>2.541</u>	<u>8,657,039.30</u>
DIFFERENCE		84,588.9	0.0	0.0	84,588.9	(0.676)	(0.676)	418,139.30
DIFFERENCE %		33.0%	0.0%	0.0%	33.0%	-21.0%	-21.0%	5.1%

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A9

JANUARY 2015 - DECEMBER 2015

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL MWH PURCHASED	(4) MWH FOR INTERRUPTIBLE	(5) MWH FOR FIRM	(6) TRANSACTION COSTS	(7) TOTAL \$ FOR FUEL ADJUSTMENT (5) X (6)	(8) COST IF GENERATED		(9) FUEL SAVINGS (8B)-7
							(A) CENTS PER KWH	(B) TOTAL COST	
ESTIMATED:									
VARIOUS	Economy	509,460.0	0.0	509,460.0	3,335	16,990,090.00	5.449	27,762,653.00	10,772,563.00
TOTAL		509,460.0	0.0	509,460.0	3,335	16,990,090.00	5.449	27,762,653.00	10,772,563.00
ACTUAL:									
OKEELANTA	SCH. - REB	2,642.0	0.0	2,642.0	2,751	72,689.00	3.030	80,060.50	7,371.50
ORLANDO UTIL. COMM.	SCH. - C	270.0	0.0	270.0	2,929	7,909.05	3.566	9,628.18	1,719.13
DUKE/PROGRESS ENERGY FLORIDA	SCH. - J	33,631.0	0.0	33,631.0	6,802	2,287,478.00	6.940	2,334,036.80	46,558.80
FLA. POWER & LIGHT	SCH. - J	188,784.0	388.7	188,395.3	3,325	6,265,064.18	3.739	7,044,017.36	778,953.18
CITY OF LAKELAND	SCH. - J	2,703.0	0.0	2,703.0	6,718	181,600.00	6.718	181,600.00	0.00
ORLANDO UTIL. COMM.	SCH. - J	21,774.0	0.0	21,774.0	4,503	980,556.00	4.842	1,054,345.14	73,789.14
THE ENERGY AUTHORITY	SCH. - J	23,929.0	45.0	23,884.0	4,634	1,106,722.50	4.798	1,145,986.11	39,263.61
CARGILL ALLIANT	SCH. - J	6,991.0	0.0	6,991.0	5,315	371,563.00	5.507	384,981.86	13,418.86
REEDY CREEK	SCH. - J	405.0	0.0	405.0	6,000	24,300.00	6.031	24,427.40	127.40
SEMINOLE ELEC. CO-OP	SCH. - J	49,305.0	450.4	48,854.6	5,545	2,709,051.00	5.717	2,792,795.80	83,744.80
J P MORGAN VENTURES	SCH. - J	1,687.0	0.0	1,687.0	2,504	42,247.00	3.186	53,746.60	11,499.60
MORGAN STANLEY	SCH. - J	4,439.0	0.0	4,439.0	3,188	141,521.00	3.923	174,121.68	32,600.68
EDF TRADING	SCH. - J	8,161.0	0.0	8,161.0	3,689	301,038.00	4.661	380,361.54	79,323.54
EXGEN	SCH. - J	48,156.0	129.6	48,026.4	3,443	1,653,333.30	4.138	1,987,222.63	333,889.33
SOUTHERN COMPANY	SCH. - J	29,224.0	70.4	29,153.6	3,718	1,083,790.84	4.209	1,227,189.45	143,398.61
RAINBOW ENERGY MARKETERS	SCH. - J	2,942.0	0.0	2,942.0	4,324	127,222.00	4.707	138,482.05	11,260.05
SUB-TOTAL		425,043.0	1,084.1	423,958.9	4,094	17,356,084.87	4.485	19,013,003.10	1,656,918.23
SUB-TOTAL SCHEDULE REB ECONOMY PURCHASES		2,642.0	0.0	2,642.0	2,751	72,689.00	3.030	80,060.50	7,371.50
SUB-TOTAL SCHEDULE C ECONOMY PURCHASES		270.0	0.0	270.0	2,929	7,909.05	3.566	9,628.18	1,719.13
SUB-TOTAL SCHEDULE J ECONOMY PURCHASES		422,131.0	1,084.1	421,046.9	4,103	17,275,486.82	4.494	18,923,314.42	1,647,827.60
TOTAL		425,043.0	1,084.1	423,958.9	4,094	17,356,084.87	4.485	19,013,003.10	1,656,918.23
DIFFERENCE		(84,417.0)	1,084.1	(85,501.1)	0.759	365,994.87	(0.965)	(8,749,649.90)	(9,115,644.77)
DIFFERENCE %		-16.6%	0.0%	-16.8%	22.8%	2.2%	-17.7%	-31.5%	-84.6%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A12

JANUARY 2015 - DECEMBER 2015

REDACTED

**CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015**

CONTRACT	TERM		CONTRACT TYPE	
	START	END		
ORANGE COGEN LP	4/17/1989	12/31/2015	QF	QF = QUALIFYING FACILITY
CALPINE	11/1/2011	12/31/2016	LT	LT = LONG TERM
PASCO COGEN LTD	1/1/2009	12/31/2018	LT	ST = SHORT-TERM
OLEANDER	1/1/2013	12/31/2015	LT	** THREE YEAR NOTICE REQUIRED FOR TERMINATION.
SEMINOLE ELECTRIC **	6/1/1992	-----		

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
ORANGE COGEN LP	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
CALPINE	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
PASCO COGEN LTD	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
OLEANDER	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	157.0	157.0	157.0	157.0
SEMINOLE ELECTRIC	0.4	0.8	1.2	0.8	1.3	0.8	1.0	1.2	1.2	1.5	0.7	0.8

CAPACITY	JANUARY (\$)	FEBRUARY (\$)	MARCH (\$)	APRIL (\$)	MAY (\$)	JUNE (\$)	JULY (\$)	AUGUST (\$)	SEPTEMBER (\$)	OCTOBER (\$)	NOVEMBER (\$)	DECEMBER (\$)	TOTAL (\$)
ORANGE COGEN LP	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	1,261,780	15,141,360
TOTAL COGENERATION	\$ 1,261,780	1,261,780	\$ 1,261,780	\$ 1,261,780	\$ 15,141,360								

CAPACITY COSTS
 ACTUAL PURCHASES AND SALES
 TAMPA ELECTRIC COMPANY
 FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

SCHEDULE A12
 PAGE 2 OF 2

CAPACITY	JANUARY (\$)	FEBRUARY (\$)	MARCH (\$)	APRIL (\$)	MAY (\$)	JUNE (\$)	JULY (\$)	AUGUST (\$)	SEPTEMBER (\$)	OCTOBER (\$)	NOVEMBER (\$)	DECEMBER (\$)	TOTAL (\$)
CALPINE - D													
OLEANDER - D													
PASCO COGEN LTD - D													
CITY OF TALLAHASSEE													
ORLANDO UTILITIES													
FLORIDA POWER & LIGHT													
PROGRESS ENERGY FLORIDA													
JACKSONVILLE ELECTRIC AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
PROGRESS ENERGY FLORIDA - CB													
FLORIDA POWER & LIGHT - CB													
ORLANDO UTILITIES - CB													
REEDY CREEK - CB													
SEMINOLE ELECTRIC - CB													
THE ENERGY AUTHORITY - CB													
CITY OF LAKELAND - CB													
CARGILL ALLIANT - MA													
EXGEN - MA													
THE ENERGY AUTHORITY - MA													
J P MORGAN VENTURES - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
CITY OF HOMESTEAD - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	\$ 1,329,184	\$ 1,355,033	\$ 1,413,422	\$ 1,319,301	\$ 1,586,293	\$ 1,593,468	\$ 1,631,931	\$ 1,645,167	\$ 1,648,399	1,582,730	\$ 1,557,076	\$ 1,221,417	\$ 17,883,421
TOTAL CAPACITY	\$ 2,590,964	\$ 2,616,813	\$ 2,675,202	\$ 2,581,081	\$ 2,848,073	\$ 2,855,248	\$ 2,893,711	\$ 2,906,947	\$ 2,910,179	2,844,510	\$ 2,818,856	\$ 2,483,197	\$ 33,024,781

EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK

DOCUMENT NO. 5

CAPITAL PROJECTS APPROVED FOR FUEL CLAUSE RECOVERY

JANUARY 2015 - DECEMBER 2015

**POLK UNIT 1 IGNITION CONVERSION TO NATURAL GAS
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 BEGINNING BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
2 ADD INVESTMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 LESS RETIREMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 ENDING BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
5													
6													
7 AVERAGE BALANCE	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951	\$ 16,143,951
8 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%
9 DEPRECIATION EXPENSE	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	269,225	3,230,701
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	4,836,498	5,105,723	5,374,948	5,644,173	5,913,398	6,182,623	6,451,848	6,721,073	6,990,298	7,259,523	7,528,748	7,797,974	4,836,498
12 ENDING BALANCE DEPRECIATION	5,105,723	5,374,948	5,644,173	5,913,398	6,182,623	6,451,848	6,721,073	6,990,298	7,259,523	7,528,748	7,797,974	8,067,199	8,067,199
13													
14													
15 ENDING NET INVESTMENT	11,038,228	10,769,003	10,499,778	10,230,553	9,961,328	9,692,102	9,422,877	9,153,652	8,884,427	8,615,202	8,345,977	8,076,752	8,076,752
16													
17													
18 AVERAGE INVESTMENT	11,172,840	10,903,615	10,634,390	10,365,165	10,095,940	9,826,715	9,557,490	9,288,265	9,019,040	8,749,815	8,480,590	8,211,365	
19 ALLOWED EQUITY RETURN	.36170%	.36170%	.36170%	.36170%	.36170%	.36170%	.36016%	.36016%	.36016%	.36016%	.36016%	.36016%	
20 EQUITY COMPONENT AFTER-TAX	40,412	39,438	38,465	37,491	36,517	35,543	34,422	33,453	32,483	31,513	30,544	29,574	419,855
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	65,960	64,371	62,783	61,193	59,603	58,013	56,184	54,602	53,019	51,436	49,854	48,271	685,289
23													
24 ALLOWED DEBT RETURN	.16953%	.16953%	.16953%	.16953%	.16953%	.16953%	.16226%	.16226%	.16226%	.16226%	.16226%	.16226%	
25 DEBT COMPONENT	18,941	18,484	18,028	17,572	17,115	16,659	15,508	15,071	14,634	14,197	13,760	13,323	193,292
26													
27 TOTAL RETURN REQUIREMENTS	84,901	82,855	80,811	78,765	76,718	74,672	71,692	69,673	67,653	65,633	63,614	61,594	878,581
28													
29 TOTAL DEPRECIATION & RETURN	354,126	352,080	350,036	347,990	345,943	343,897	340,917	338,898	336,878	334,858	332,839	330,819	4,109,281
30													
31 ESTIMATED FUEL SAVINGS	250,611	455,980	4,292,824	46,865	18,753,158	25,804,431	1,780,714	1,174,504	2,484,993	1,333,890	4,178,612	1,262,972	61,819,554
32 RECOVERABLE TOTAL DEPRECIATION & RETURN	354,126	352,080	350,036	347,990	345,943	343,897	340,917	338,898	336,878	334,858	332,839	330,819	4,109,281
33 NET BENEFIT (COST) TO RATEPAYER	(103,515)	103,899	3,942,788	(301,125)	18,407,215	25,460,534	1,439,796	835,606	2,148,115	999,032	3,845,773	932,153	57,710,273
34													

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JUNE USING AN ANNUAL RATE OF 9.1187% (EQUITY 7.0844% , DEBT 2.0343%). RATES ARE BASED ON THE MAY 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 9.0013% (EQUITY 7.0542% , DEBT 1.9471%). RATES ARE BASED ON THE MAY SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).
38 RETURN REQUIREMENT IS BASED UPON A COMBINED STATUTORY RATE OF 38.575%.

**BIG BEND UNITS 1-4 IGNITERS CONVERSION TO NATURAL GAS
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 BEGINNING BALANCE	\$0	\$14,085,885	\$15,274,305	\$17,147,160	\$9,390,684	12,814,061	\$16,344,145	\$16,439,823	\$16,446,415	\$16,465,473	\$16,475,422	\$20,744,838	\$0
2 ADD INVESTMENT: Big Bend Unit 3 (Jan 2015)	14,085,885	1,188,420	1,872,855	830,383	20,565	32,702	10,663	-	4,343	8,074	-	(13)	18,053,877
2a ADD INVESTMENT: Big Bend Unit 4 (May 2015)	-	-	-	-	3,400,106	65,656	45,414	2,183	1,541	672	2,206	1,199	3,518,977
2b ADD INVESTMENT: Big Bend Unit 2 (June 2015)	-	-	-	-	-	4,178,371	39,601	4,408	13,175	1,197	8,716	(27,557)	4,217,911
2c ADD INVESTMENT: Big Bend Unit 1 (November 2015)	-	-	-	-	-	-	-	-	-	-	4,255,211	104,501	4,359,712
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	14,085,885	15,274,305	17,147,160	17,977,543	12,811,356	17,090,790	16,439,823	16,446,415	16,465,473	16,475,416	20,741,555	20,822,967	30,150,477
5													
6													
7 AVERAGE BALANCE	-	14,680,095	16,210,732	17,562,351	9,400,967	12,863,240	16,391,984	16,443,119	16,455,944	16,470,445	16,480,883	20,783,903	
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	-	244,668	270,179	292,706	(188,564)	214,387	273,200	274,052	274,266	274,507	274,681	346,398	2,550,481
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	-	-	244,668	514,847	462,306	618,989	833,377	1,106,577	1,380,629	1,654,894	1,929,402	2,204,083	-
12 ENDING BALANCE DEPRECIATION	-	244,668	514,847	807,553	618,989	833,377	1,106,577	1,380,629	1,654,894	1,929,402	2,204,083	2,550,481	2,550,481
13													
14													
15 ENDING NET INVESTMENT	14,085,885	15,029,637	16,632,313	17,169,990	12,192,367	16,257,413	15,333,247	15,065,786	14,810,579	14,546,015	18,537,472	18,272,486	27,599,996
16													
17													
18 AVERAGE INVESTMENT	\$7,042,942	\$14,557,761	\$15,830,975	\$16,901,151	\$10,560,373	\$14,226,242	\$15,422,008	\$15,199,516	\$14,938,183	\$14,678,297	\$16,541,746	\$18,406,620	
19 ALLOWED EQUITY RETURN	.36170%	.36170%	.36170%	.36170%	.36170%	.36170%	.36170%	.36016%	.36016%	.36016%	.36016%	.36016%	.36016%
20 EQUITY COMPONENT AFTER-TAX	25,474	52,655	57,261	61,131	38,197	51,456	55,544	54,743	53,801	52,865	59,577	66,293	628,997
21 CONVERSION TO PRE-TAX	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220
22 EQUITY COMPONENT PRE-TAX	\$41,579	\$85,943	\$93,461	\$99,778	(\$72,172)	\$83,986	\$90,659	\$89,352	\$87,814	\$86,286	\$97,242	\$108,203	\$892,131
23													
24 ALLOWED DEBT RETURN	.16953%	.16953%	.16953%	.16953%	.16953%	.16953%	.16226%	.16226%	.16226%	.16226%	.16226%	.16226%	.16226%
25 DEBT COMPONENT	\$11,940	\$24,679	\$26,837	\$28,652	(\$20,726)	\$24,117	\$25,023	\$24,662	\$24,238	\$23,816	\$26,840	\$29,866	\$249,944
26													
27 TOTAL RETURN REQUIREMENTS	\$53,519	\$110,622	\$120,298	\$128,430	(\$92,898)	\$108,103	\$115,682	\$114,014	\$112,052	\$110,102	\$124,082	\$138,069	\$1,142,075
28 PRIOR MONTH TRUE-UP	(\$80)	47	(138)	171		12	(2,836)	-			0	12	(2,812)
29 TOTAL DEPRECIATION & RETURN	\$53,439	\$355,337	\$390,339	\$421,307	(\$281,462)	\$322,502	\$386,046	\$388,066	\$386,318	\$384,609	\$398,763	\$484,479	\$3,689,743
30													
31 ESTIMATED FUEL SAVINGS	\$32,065	\$839,040	\$0	\$273,561	\$779,847	\$413,517	\$883,626	\$3,153,195	\$2,482,908	\$673,328	\$2,849,280	\$778,305	\$13,158,672
32 RECOVERABLE TOTAL DEPRECIATION & RETURN	\$53,439	\$355,337	\$390,339	\$421,307	(\$281,462)	\$322,502	\$386,046	\$388,066	\$386,318	\$384,609	\$398,763	\$484,479	\$3,689,743
33 NET BENEFIT (COST) TO RATEPAYER	(\$21,374)	\$483,703	(\$390,339)	(\$147,745)	\$1,061,309	\$91,015	\$497,580	\$2,765,129	\$2,096,590	\$288,718	\$2,450,517	\$293,826	\$9,468,929

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 9.1187% (EQUITY 7.0844% , DEBT 2.0343%). RATES ARE BASED ON THE MAY 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 9.0013% (EQUITY 7.0542% , DEBT 1.9471%). RATES ARE BASED ON THE MAY 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 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 2015 to June 2015**

	(1) Jurisdictional Rate Base Actual May 2014 Capital Structure (\$000)	(2) Ratio %	(3) Cost Rate %	(4) Weighted Cost Rate %
Long Term Debt	\$ 1,429,551	35.37%	5.55%	1.9630%
Short Term Debt	25,222	0.62%	0.61%	0.0038%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	107,785	2.67%	2.25%	0.0601%
Common Equity	1,707,776	42.26%	10.25%	4.3317%
Deferred ITC - Weighted Cost	8,027	0.20%	8.05%	0.0161%
Accumulated Deferred Income Taxes & Zero Cost ITCs	<u>763,143</u>	<u>18.88%</u>	0.00%	<u>0.0000%</u>
Total	<u>\$ 4,041,504</u>	<u>100.00%</u>		<u>6.37%</u>

ITC split between Debt and Equity:

Long Term Debt	\$ 1,429,551		Long Term Debt	45.20%
Short Term Debt	25,222		Short Term Debt	0.80%
Equity - Preferred	0		Equity - Preferred	0.00%
Equity - Common	<u>1,707,776</u>		Equity - Common	<u>54.00%</u>
Total	<u>\$ 3,162,549</u>		Total	<u>100.00%</u>

Deferred ITC - Weighted Cost:

Debt = .0161% * 46.00%	0.0074%
Equity = .0161% * 54.00%	<u>0.0087%</u>
Weighted Cost	<u>0.0161%</u>

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.3317%
Deferred ITC - Weighted Cost	<u>0.0087%</u>
	4.3404%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0844%</u>

Total Debt Cost Rate:

Long Term Debt	1.9630%
Short Term Debt	0.0038%
Customer Deposits	0.0601%
Deferred ITC - Weighted Cost	<u>0.0074%</u>
Total Debt Component	<u>2.0343%</u>

9.1187%

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 2015 to December 2015**

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

ITC split between Debt and Equity:

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

Deferred ITC - Weighted Cost:

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

Total Equity Cost Rate:

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

Total Debt Cost Rate:

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

Notes:

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