

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

April 2, 2018

VIA: ELECTRONIC FILING

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

Re: Environmental Cost Recovery Clause
FPSC Docket No. 20180007-EI

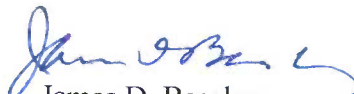
Dear Ms. Stauffer:

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

1. Petition for approval of the company's environmental cost recovery true-up amount for the twelve month period ending December 2017.
2. Prepare Direct Testimony and Exhibit (PAR-1) of Penelope A. Rusk regarding Environmental Cost Recovery True-Up for the period January 2017 through December 2017.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Attachment

cc: All Parties of Record (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and accompanying Testimony and Exhibit of Penelope A. Rusk has been furnished by electronic mail on this 2nd day of April 2018 to the following:

Mr. Charles W. Murphy
Ms. Stephanie Cuello
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
cmurphy@psc.state.fl.us
scuello@psc.state.fl.us

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

Ms. Dianne M. Triplett
Duke Energy Florida, Inc.
299 First Avenue North
St. Petersburg, FL 33701
dianne.triplett@duke-energy.com

Mr. John T. Butler
Assistant General Counsel - Regulatory
Ms. Jessica Cano
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
john.butler@fpl.com
jessica.cano@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1858
ken.hoffman@fpl.com

Mr. Jeffrey A. Stone
General Counsel
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0100
jastone@southernco.com

Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591
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

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

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

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

Mr. George Cavros
Southern Alliance for Clean Energy
120 E. Oakland Park Blvd., Suite 105
Fort Lauderdale, FL 33334
george@carvos-law.com



ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Environmental Cost)
Recovery Clause.)
_____)

DOCKET NO. 20180007-EI

FILED: April 2, 2018

PETITION OF TAMPA ELECTRIC COMPANY

Tampa Electric Company ("Tampa Electric" or "the company"), hereby petitions the Commission for approval of the company's environmental cost recovery true-up amount of \$3,722,817 over-recovery for the twelve-month period ending December 2017. In support of thereof, says:

Environmental Cost Recovery

1. Tampa Electric's final true-up amount for the January 2017 through December 2017 period is an over-recovery of \$1,498,666 [See Exhibit No. ____ (PAR-1), Document No. 1 (Schedule 42-1A).]

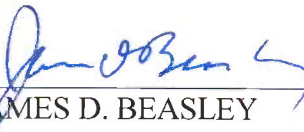
2. By Order No. PSC-2018-0014-FOF-EI, the Commission approved environmental cost recovery factors for the period commencing January 2018. These factors reflected an actual/estimated true-up over-recovery, including interest, for the period January 2017 through December 2017 of \$6,759,424 which was also approved in Order No. PSC-2018-0014-FOF-EI. The actual over-recovery, including interest, for the period January 2017 through December 2017 is \$8,258,090. The \$8,258,090 actual over-recovery, less the estimated over-recovery of \$6,759,424 which is currently reflected in charges for the period beginning January 2018, results in a net environmental cost recovery true-up over-recovery of \$1,498,666 that is to be included in the calculation of the environmental cost recovery factors for the period beginning January 2019.

3. For reasons more fully detailed in the Prepared Direct Testimony of witness Penelope A. Rusk, the environmental compliance costs sought to be approved for cost recovery proposed in this petition are consistent with the provisions of Section 366.8255, Florida Statutes, and with prior rulings by the Commission with respect to environmental compliance cost recovery for Tampa Electric and other investor-owned utilities.

WHEREFORE, Tampa Electric Company requests the Commission to approve the company's environmental cost recovery true-up amount of \$1,498,666 over-recovery and authorize the inclusion of this amount in the calculation of the environmental cost recovery factors for the period beginning January 2019.

DATED this 2nd day of April 2018.

Respectfully submitted,



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

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true 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 April 2018 to the following:

Mr. Charles W. Murphy
Ms. Stephanie Cuello
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
cmurphy@psc.state.fl.us
scuello@psc.state.fl.us

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

Ms. Dianne M. Triplett
Duke Energy Florida, Inc.
299 First Avenue North
St. Petersburg, FL 33701
dianne.triplett@duke-energy.com

Mr. John T. Butler
Assistant General Counsel - Regulatory
Ms. Jessica Cano
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
john.butler@fpl.com
jessica.cano@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1858
ken.hoffman@fpl.com

Mr. Jeffrey A. Stone
General Counsel
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0100
jastone@southernco.com

Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591
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

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

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

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

Mr. George Cavros
Southern Alliance for Clean Energy
120 E. Oakland Park Blvd., Suite 105
Fort Lauderdale, FL 33334
george@carvos-law.com



ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 20180007-EI
IN RE: ENVIRONMENTAL COST RECOVERY FACTORS

2017 FINAL TRUE-UP
TESTIMONY AND EXHIBIT

PENELOPE A. RUSK

FILED: APRIL 2, 2018

1 **BEFORE THE PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **PENELOPE A. RUSK**

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

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

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

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

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

6
7 **Q.** What is the purpose of your testimony in this proceeding?

8
9 **A.** The purpose of my testimony is to present, for Commission
10 review and approval, the actual true-up amount for the
11 Environmental Cost Recovery Clause ("Environmental Clause")
12 and the calculations associated with the environmental
13 compliance activities for the January 2017 through December
14 2017 period.

15
16 **Q.** Did you prepare any exhibits in support of your testimony?

17
18 **A.** Yes. Exhibit No. PAR-1 consists of nine documents prepared
19 under my direction and supervision.

- 20 ▪ Form 42-1A, Document No. 1, provides the final true-
21 up for the January 2017 through December 2017 period;
- 22 ▪ Form 42-2A, Document No. 2, provides the detailed
23 calculation of the actual true-up for the period;
- 24 ▪ Form 42-3A, Document No. 3, shows the interest
25 provision calculation for the period;

- 1 ▪ Form 42-4A, Document No. 4, provides the variances
2 between actual and actual/estimated costs for O&M
3 activities;
- 4 ▪ Form 42-5A, Document No. 5, provides a summary of
5 actual monthly O&M activity costs for the period;
- 6 ▪ Form 42-6A, Document No. 6, provides the variances
7 between actual and actual/estimated costs for capital
8 investment projects;
- 9 ▪ Form 42-7A, Document No. 7, presents a summary of
10 actual monthly costs for capital investment projects
11 for the period;
- 12 ▪ Form 42-8A, Document No. 8, pages 1 through 26,
13 illustrates the calculation of depreciation expenses
14 and return on capital investment for each project
15 recovered through the Environmental Clause.
- 16 ▪ Form 42-9A, Document No. 9, details Tampa Electric's
17 revenue requirement rate of return for capital
18 projects recovered through the Environmental Clause.

19

20 **Q.** What is the source of the data presented in your testimony
21 and exhibits?

22

23 **A.** Unless otherwise indicated, the actual data is taken from
24 the books and records of Tampa Electric. The books and
25 records are kept in the regular course of business in

1 accordance with generally accepted accounting principles
2 and practices, and provisions of the Uniform System of
3 Accounts as prescribed by this Commission.
4

5 **Q.** What is the final true-up amount for the Environmental
6 Clause for the period January 2017 through December 2017?
7

8 **A.** The final true-up amount for the Environmental Clause for
9 the period January 2017 through December 2017 is an over-
10 recovery of \$1,498,666. The actual environmental cost over-
11 recovery, including interest, is \$8,258,090 for the period
12 January 2017 through December 2017, as identified in Form
13 42-1A. This amount, less the \$6,759,424 over-recovery
14 approved in Commission Order No. PSC-2018-0014-FOF-EI,
15 issued January 5, 2018, in Docket No. 20180007-EI, results
16 in a final over-recovery of \$1,498,666, as shown on Form
17 42-1A. This over-recovery amount will be applied in the
18 calculation of the environmental cost recovery factors for
19 the period January 2019 through December 2019.
20

21 **Q.** Are all costs listed in Forms 42-4A through 42-8A incurred
22 for environmental compliance projects approved by the
23 Commission?
24

25 **A.** All costs listed in Forms 42-4A through 42-8A for which

1 Tampa Electric is seeking recovery are incurred for
2 environmental compliance projects approved by the
3 Commission.
4

5 **Q.** How do actual expenditures for the January 2017 through
6 December 2017 period compare with Tampa Electric's
7 actual/estimated projections as presented in previous
8 testimony and exhibits?
9

10 **A.** As shown on Form 42-4A, total costs for O&M activities are
11 \$1,595,678, or 7.0 percent less than the actual/estimated
12 projection costs. Form 42-6A shows the total capital
13 investment costs are \$21,547, or less than 0.1 percent less
14 than the actual/estimated projection costs. Additional
15 information regarding material variances is provided below.
16

17 **O&M Project Variances**

18 O&M expense projections related to planned maintenance work
19 are typically spread across the period in question.
20 However, the company always inspects the units to ensure
21 that the maintenance is needed, before beginning the work.
22 The need varies according to the actual usage and associated
23 "wear and tear" on the units. If an inspection indicates
24 that the maintenance is not yet needed or if additional
25 work is needed, then the company will have a variance when

1 actual amounts expended are compared to the projection.
2 When inspections indicate that work is not needed now, that
3 maintenance expense will be incurred in a future period
4 when warranted by the condition of the unit.

5
6 **▪ Big Bend Unit 3 Flue Gas Desulfurization Integration:**

7 The Big Bend Unit 3 Flue Gas Desulfurization Integration
8 project variance is \$192,685 or 3.8 percent greater than
9 projected. The variance is due to greater than projected
10 maintenance expenses related to ductwork and cooling
11 towers.

12
13 **▪ SO₂ Emission Allowances:** The SO₂ Emission Allowances
14 project variance is \$4,616 or 106.4 percent less than
15 projected. The variance is due to less cogeneration
16 purchases than projected and the application of a lower
17 SO₂ emissions allowance rate than projected.

18
19 **▪ Big Bend Units 1 and 2 Flue Gas Desulfurization ("FGD"):**

20 The Big Bend Units 1 and 2 FGD project variance is
21 \$1,373,172 or 30.3 percent greater than projected. The
22 variance is due to greater than expected maintenance
23 costs for structural steel repairs to ductwork and
24 towers, as well as greater than projected limestone
25 consumption.

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

- **Big Bend NO_x Emission Reduction:** The Big Bend NO_x Emission Reduction project variance is \$97,791 or 23.5 percent greater than projected. The variance is due to greater than expected maintenance costs associated with the repair of air dampers.

- **Polk NO_x Emission Reduction:** The Polk NO_x Emission Reduction project variance is a credit of \$2,758, or 11.4 percent less than projected. This variance is due to the Polk gasifier running less than projected because of outages and hurricane related start-up delays.

- **Big Bend Unit 4 Separated Overfire Air ("SOFA"):** The Big Bend Unit 4 SOFA project variance is \$6,000, or 100.0 percent less than projected. This variance occurred because less work was needed than projected.

- **Big Bend Unit 2 Pre-Selective Catalytic Reduction ("SCR"):** The Big Bend Unit 2 Pre-SCR project variance is \$440,878, or 2,028.6 percent greater than projected. The variance is associated with work performed on secondary air dampers not anticipated in the projection.

- **Big Bend Unit 3 Pre-SCR:** The Big Bend Unit 3 Pre-SCR project variance is \$11,167, or 148.1 percent greater

1 than projected. The variance was driven by unanticipated
2 costs to replace bearings on secondary air dampers.

- 3
- 4 ▪ **Clean Water Act Section 316(b) Phase II Study:** The Clean
5 Water Act Section 316(b) project variance is \$60,794, or
6 13.3 percent greater than projected. This variance is
7 due to the netting of higher than anticipated
8 expenditures for the Bayside Station external peer review
9 process and lower than anticipated expenditures for Big
10 Bend Station.

11

12 The external peer review process is a requirement under
13 Rule 316(b), in accordance with Environmental Protection
14 Agency ("EPA") guidance, for studies to comply with
15 §122.21(r)(10) through (r)(12). The external peer review
16 process began in 2016 and was completed for Bayside
17 Station, with a final Rule 316(b) report submitted to
18 the FDEP in February 2018. Bayside Station peer review
19 expenses were greater than expected because some sections
20 of the draft report required more work than initially
21 anticipated to address peer reviewer comments. Ongoing
22 negotiations with Florida Department of Environmental
23 Protection ("FDEP") regarding renewal of the Big Bend
24 Station National Pollutant Discharge Elimination System
25 ("NPDES") permit have had an impact on the compliance

1 schedule. As a result, some expected expenses will be
2 deferred to future periods.

3
4 **▪ Arsenic Groundwater Study Program:** The Arsenic
5 Groundwater project variance is \$22,572, or 39.4 percent
6 more than projected. This variance is primarily due to
7 greater than expected costs for removal and abandonment
8 of wells and injection equipment at Bayside Station, as
9 required by the FDEP Site Rehabilitation Completion
10 Order. Costs for Big Bend Station arsenic program
11 monitoring and testing were also higher than expected
12 during 2017.

13
14 **▪ Big Bend Unit 1 SCR:** The Big Bend Unit 1 SCR project
15 variance is \$344,899, or 35.5 percent less than
16 projected. Less maintenance activity was required than
17 projected during 2017. In addition, the SCR ran less than
18 expected, so the cost for consumables was less than
19 projected.

20
21 **▪ Big Bend Unit 3 SCR:** The Big Bend Unit 3 SCR project
22 variance is \$148,145, or 12.1 percent greater than
23 projected. This variance is due to increased maintenance
24 costs associated with clearing ash build-up. In addition,
25 the SCR ran more than expected, so the cost for

1 consumables was greater than projected.

2
3 **Big Bend Unit 4 SCR:** The Big Bend Unit 4 SCR project
4 variance is \$62,081, or 7.4 percent less than projected.
5 The costs associated with this project are less than
6 projected because less maintenance work was needed than
7 projected.

8
9 **Mercury Air Toxics Standards:** The Mercury Air Toxics
10 Standards ("MATS") project variance is \$54,696, or 79.9
11 percent less than projected. The projected costs included
12 O&M costs for mercury Continuous Emission Monitors
13 ("CEM"). Because Polk Station and Big Bend Station
14 achieved Low Emitting Electric Generating Unit ("EGU")
15 status in 2017, mercury CEM were not required, and costs
16 were less than projected.

17
18 **Big Bend Gypsum Storage Facility:** The Big Bend Gypsum
19 Storage Facility project variance is \$273,888, or 11.9
20 percent less than projected due to reduced storage yard
21 activity due to lower volume of gypsum produced.

22
23 **Big Bend Coal Combustion Residuals Rule:** The Big Bend
24 Coal Combustion Residuals ("CCR") Rule project variance
25 is \$2,947,341, or 81.3 percent less than projected. This

1 variance is due to the start date for CCR disposal,
2 approved as part of the company's second phase of CCR
3 Rule compliance, occurring later than projected. As a
4 result, the costs will be deferred to a future period.
5

- 6 ▪ **Big Bend Effluent Limitations Guidelines:** The Big Bend
7 Effluent Limitations Guidelines ("ELG") project variance
8 is \$177,848, or 90.3 percent less than projected. This
9 variance is caused by delays in determining final ELG
10 compliance dates and the issuance of the NPDES permit
11 identifying compliance activities and timeline.
12

13 Capital Investment Project Variances

- 14 ▪ **Big Bend Coal Combustion Residuals Rule:** The Big Bend
15 CCR Rule capital project variance is \$8,365, or 14.0
16 percent less than projected. This is primarily due to
17 projected costs to engineer the Economizer Ash & Pyrites
18 Ponds Closure as part of the company's second phase of
19 CCR Rule that were expected during 2017; however, the
20 work was postponed until 2018. The engineering work was
21 not required prior to beginning the CCR disposal efforts.
22

23 **Q.** Does this conclude your testimony?
24

25 **A.** Yes, it does.

INDEX

**TAMPA ELECTRIC COMPANY
ENVIRONMENTAL COST RECOVERY CLAUSE**

**FINAL TRUE-UP AMOUNT FOR THE PERIOD OF
JANUARY 2017 THROUGH DECEMBER 2017**

FORMS 42-1A THROUGH 42-9A

<u>DOCUMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Form 42-1A	13
2	Form 42-2A	14
3	Form 42-3A	15
4	Form 42-4A	16
5	Form 42-5A	17
6	Form 42-6A	18
7	Form 42-7A	19
8	Form 42-8A	20
9	Form 42-9A	46

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017
(in Dollars)

Form 42 - 1A

<u>Line</u>	<u>Period Amount</u>
1. End of Period Actual True-Up for the Period January 2017 to December 2017 (Form 42-2A, Lines 5 + 6 + 10)	\$8,258,090
2. Actual/Estimated True-Up Amount Approved for the Period January 2017 to December 2017 (Order No. PSC-2018-0014-FOF-EI)	<u>\$6,759,424</u>
3. Final True-Up to be Refunded/(Recovered) in the Projection Period January 2019 to December 2019 (Lines 1 - 2)	<u>\$1,498,666</u>

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42 - 2A

Current Period True-Up Amount
(in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1. ECRC Revenues (net of Revenue Taxes)	\$5,693,155	\$4,999,938	\$5,059,411	\$5,530,960	\$6,443,130	\$6,766,223	\$7,011,635	\$7,316,117	\$7,544,533	\$6,822,423	\$5,689,506	\$5,250,302	\$74,127,332
2. True-Up Provision	623,096	623,096	623,096	623,096	623,096	623,096	623,096	623,096	623,096	623,096	623,096	623,101	7,477,157
3. ECRC Revenues Applicable to Period (Lines 1 + 2)	6,316,251	5,623,034	5,682,507	6,154,056	7,066,226	7,389,319	7,634,731	7,939,213	8,167,629	7,445,519	6,312,602	5,873,403	81,604,489
4. Jurisdictional ECRC Costs													
a. O & M Activities (Form 42-5A, Line 9)	1,877,404	1,380,494	2,492,143	2,916,195	1,722,398	1,799,545	1,279,618	1,792,326	1,229,105	2,011,656	912,980	1,773,261	21,187,125
b. Capital Investment Projects (Form 42-7A, Line 9)	4,426,954	4,415,350	4,404,381	4,396,312	4,386,979	4,377,934	4,328,746	4,318,258	4,306,924	4,294,923	4,282,934	4,271,200	52,210,895
c. Total Jurisdictional ECRC Costs	6,304,358	5,795,844	6,896,524	7,312,507	6,109,377	6,177,479	5,608,364	6,110,584	5,536,029	6,306,579	5,195,914	6,044,461	73,398,020
5. Over/Under Recovery (Line 3 - Line 4c)	11,893.00	(172,810)	(1,214,017)	(1,158,451)	956,849.00	1,211,840.00	2,026,367.00	1,828,629.00	2,631,600.00	1,138,940.00	1,116,688.00	(171,058)	8,206,470
6. Interest Provision (Form 42-3A, Line 10)	3,973	3,372	2,970	2,021	1,479	2,070	3,159	4,314	4,764	5,943	8,130	9,425	51,620
7. Beginning Balance True-Up & Interest Provision	7,477,157	6,869,927	6,077,393	4,243,250	2,463,724	2,798,956	3,389,770	4,796,200	6,006,047	8,019,315	8,541,102	9,042,824	7,477,157
a. Deferred True-Up from January to December 2016 (Order No. PSC-16-0535-FOF-EI)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)	(658,080)
8. True-Up Collected/(Refunded) (see Line 2)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,096)	(623,101)	(7,477,157)
9. End of Period Total True-Up (Lines 5+6+7+7a+8)	6,211,847	5,419,313	3,585,170	1,805,644	2,140,876	2,731,690	4,138,120	5,347,967	7,361,235	7,883,022	8,384,744	7,600,010	7,600,010
10. Adjustment to Period True-Up Including Interest	0	0	0	0	0	0	0	0	0	0	0	0	0
11. End of Period Total True-Up (Lines 9 + 10)	\$6,211,847	\$5,419,313	\$3,585,170	\$1,805,644	\$2,140,876	\$2,731,690	\$4,138,120	\$5,347,967	\$7,361,235	\$7,883,022	\$8,384,744	\$7,600,010	\$7,600,010

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Interest Provision
 (in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1. Beginning True-Up Amount (Form 42-2A, Line 7 + 7a + 10)	\$6,819,077	\$6,211,847	\$5,419,313	\$3,585,170	\$1,805,644	\$2,140,876	\$2,731,690	\$4,138,120	\$5,347,967	\$7,361,235	\$7,883,022	\$8,384,744	
2. Ending True-Up Amount Before Interest	6,207,874	5,415,941	3,582,200	1,803,623	2,139,397	2,729,620	4,134,961	5,343,653	7,356,471	7,877,079	8,376,614	7,590,585	
3. Total of Beginning & Ending True-Up (Lines 1 + 2)	13,026,951	11,627,788	9,001,513	5,388,793	3,945,041	4,870,496	6,866,651	9,481,773	12,704,438	15,238,314	16,259,636	15,975,329	
4. Average True-Up Amount (Line 3 x 1/2) ¹	6,513,476	5,813,894	4,500,757	2,694,397	1,972,521	2,435,248	3,433,326	4,740,887	6,352,219	7,619,157	8,129,818	7,987,665	
5. Interest Rate (First Day of Reporting Business Month)	0.72%	0.74%	0.64%	0.94%	0.86%	0.95%	1.08%	1.12%	1.06%	0.73%	1.14%	1.25%	
6. Interest Rate (First Day of Subsequent Business Month)	0.74%	0.64%	0.94%	0.86%	0.95%	1.08%	1.12%	1.06%	0.73%	1.14%	1.25%	1.58%	
7. Total of Beginning & Ending Interest Rates (Lines 5 + 6)	1.46%	1.38%	1.58%	1.80%	1.81%	2.03%	2.20%	2.18%	1.79%	1.87%	2.39%	2.83%	
8. Average Interest Rate (Line 7 x 1/2)	0.730%	0.690%	0.790%	0.900%	0.905%	1.015%	1.100%	1.090%	0.895%	0.935%	1.195%	1.415%	
9. Monthly Average Interest Rate (Line 8 x 1/12)	0.061%	0.058%	0.066%	0.075%	0.075%	0.085%	0.092%	0.091%	0.075%	0.078%	0.100%	0.118%	
10. Interest Provision for the Month (Line 4 x Line 9)	\$3,973	\$3,372	\$2,970	\$2,021	\$1,479	\$2,070	\$3,159	\$4,314	\$4,764	\$5,943	\$8,130	\$9,425	\$51,620

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42 - 4A

Variance Report of O & M Activities
(In Dollars)

Line	(1)	(2)	(3)	(4)
	Actual	Actual/Estimated Projection	Variance Amount	Percent
1. Description of O&M Activities				
a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$5,290,620	\$5,097,935	\$192,685	3.8%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	-	-	-	0.0%
c. SO ₂ Emissions Allowances	(277)	4,339	(4,616)	-106.4%
d. Big Bend Units 1 & 2 FGD	5,912,375	4,539,203	1,373,172	30.3%
e. Big Bend PM Minimization and Monitoring	877,242	920,018	(42,776)	-4.6%
f. Big Bend NO _x Emissions Reduction	513,944	416,153	97,791	23.5%
g. NPDES Annual Surveillance Fees	34,500	34,500	-	0.0%
h. Gannon Thermal Discharge Study	-	-	-	0.0%
i. Polk NO _x Emissions Reduction	21,356	24,114	(2,758)	-11.4%
j. Bayside SCR Consumables	96,024	92,288	3,736	4.0%
k. Big Bend Unit 4 SOFA	-	6,000	(6,000)	-100.0%
l. Big Bend Unit 1 Pre-SCR	41,148	38,810	2,338	6.0%
m. Big Bend Unit 2 Pre-SCR	462,611	21,733	440,878	2028.6%
n. Big Bend Unit 3 Pre-SCR	18,707	7,540	11,167	148.1%
o. Clean Water Act Section 316(b) Phase II Study	516,232	455,438	60,794	13.3%
p. Arsenic Groundwater Standard Program	79,799	57,227	22,572	39.4%
q. Big Bend Unit 1 SCR	625,584	970,483	(344,899)	-35.5%
r. Big Bend Unit 2 SCR	1,718,230	1,750,284	(32,054)	-1.8%
s. Big Bend Unit 3 SCR	1,369,993	1,221,848	148,145	12.1%
t. Big Bend Unit 4 SCR	773,126	835,207	(62,081)	-7.4%
u. Mercury Air Toxics Standards	13,763	68,459	(54,696)	-79.9%
v. Greenhouse Gas Reduction Program	93,149	93,149	-	0.0%
w. Big Bend Gypsum Storage Facility	2,035,318	2,309,206	(273,888)	-11.9%
x. Big Bend Coal Combustion Residuals Rule	679,300	3,626,641	(2,947,341)	-81.3%
y. Big Bend Effluent Limitations Guidelines Study Program	19,165	197,012	(177,847)	-90.3%
2. Total Investment Projects - Recoverable Costs	\$21,191,909	\$22,787,587	(1,595,678)	-7.0%
3. Recoverable Costs Allocated to Energy	\$20,561,378	\$22,240,422	(1,679,044)	-7.5%
4. Recoverable Costs Allocated to Demand	\$630,532	\$547,165	83,366	15.2%

Notes:

Column (1) is the End of Period Totals on Form 42-5A.
Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI.
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

O&M Activities
 (in Dollars)

Line	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	End of	Method of Classification	
	January	February	March	April	May	June	July	August	September	October	November	December	Period Total	Demand	Energy	
1.	Description of O&M Activities															
a.	455,486	375,834	576,165	591,810	245,025	428,456	498,523	621,432	400,447	655,680	60,351	381,410	\$5,290,620		\$5,290,620	
b.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c.	(75)	3	15	(167)	9	6	(74)	3	2	(34)	17	18	(277)		(277)	
d.	575,074	474,544	859,987	1,292,246	509,581	648,293	133,401	110,137	274,784	569,905	259,256	205,167	5,912,375		5,912,375	
e.	103,968	38,136	93,681	78,268	70,354	79,611	73,163	65,373	66,238	78,291	81,638	48,522	877,242		877,242	
f.	0	0	99,045	60,348	30,073	1,687	45,238	(1,910)	184,105	21,935	69,465	3,957	513,944		513,944	
g.	34,500	0	0	4,479	0	(4,479)	0	0	0	0	0	0	34,500	\$34,500	0	
h.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
i.	6,832	5,367	132	929	118	743	4,404	719	228	85	929	869	21,356		21,356	
j.	10,592	3,703	0	12,778	13,405	3,210	12,370	11,679	3,210	10,469	11,360	3,249	96,024		96,024	
k.	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
l.	0	0	31,995	0	0	815	0	0	8,337	0	0	0	41,148		41,148	
m.	0	0	14,002	371	635	725	3,441	434,181	7,108	725	0	1,424	462,611		462,611	
n.	725	(725)	725	0	815	0	0	0	0	0	725	16,442	18,707		18,707	
o.	5,483	16,813	38,516	35,948	49,811	38,868	97,254	57,150	51,470	37,964	70,922	16,034	516,232	516,232	0	
p.	14,784	0	22,963	1,155	17,747	578	10,821	11,751	0	0	0	0	79,799	79,799	0	
q.	137,349	89,827	55,826	109,624	68,695	25,163	87,863	2,073	3,646	14,681	17,267	13,571	625,584		625,584	
r.	137,820	108,993	278,485	248,972	314,195	177,819	(48,828)	78,845	35,348	238,476	126,945	21,159	1,718,230		1,718,230	
s.	220,563	47,047	118,496	110,296	65,313	176,133	124,819	195,719	62,922	150,538	26,711	71,436	1,369,993		1,369,993	
t.	57,238	55,775	51,423	67,467	49,264	70,040	59,022	88,872	18,880	28,220	47,571	179,355	773,126		773,126	
u.	(1,000)	0	0	215	268	226	0	4,528	0	0	9,526	0	13,763		13,763	
v.	0	0	0	93,149	0	0	0	0	0	0	0	0	93,149		93,149	
w.	108,723	163,414	246,179	209,918	265,042	145,930	175,123	112,191	109,640	204,722	128,895	165,542	2,035,318		2,035,318	
x.	9,567	1,833	4,834	149	23,154	6,105	3,566	0	2,738	0	1,402	625,954	679,300		679,300	
y.	0	0	0	0	12	0	0	0	0	0	0	19,153	19,165		19,165	
2.	1,877,629	1,380,563	2,492,469	2,917,956	1,723,516	1,799,929	1,280,103	1,792,744	1,229,105	2,011,656	912,980	1,773,261	21,191,909	\$630,532	\$20,561,378	
3.	1,822,862	1,363,750	2,430,990	2,876,374	1,655,958	1,764,962	1,172,029	1,723,843	1,177,635	1,973,692	842,058	1,757,227	20,561,377			
4.	54,767	16,813	61,479	41,582	67,558	34,967	108,074	68,901	51,470	37,964	70,922	16,034	630,532			
5.	1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000				
6.	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000				
7.	1,822,862	1,363,750	2,430,916	2,874,784	1,655,117	1,764,721	1,171,987	1,723,708	1,177,635	1,973,692	842,058	1,757,227	20,558,457			
8.	54,542	16,744	61,227	41,411	67,281	34,824	107,631	68,618	51,470	37,964	70,922	16,034	628,668			
9.	\$1,877,404	\$1,380,494	\$2,492,143	\$2,916,195	\$1,722,398	\$1,799,545	\$1,279,618	\$1,792,326	1,229,105	2,011,656	\$912,980	\$1,773,261	\$21,187,125			

Notes:
 (A) Line 3 x Line 5
 (B) Line 4 x Line 6

17

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Variance Report of Capital Investment Projects - Recoverable Costs
 (In Dollars)

Line	(1) Actual	(2) Actual/Estimated Projection	(3) Variance Amount	(4) Percent
1. Description of Investment Projects				
a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$1,098,902	\$1,098,902	\$0	0.0%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	276,598	276,598	0	0.0%
c. Big Bend Unit 4 Continuous Emissions Monitors	57,669	57,669	0	0.0%
d. Big Bend Fuel Oil Tank # 1 Upgrade	37,488	37,488	0	0.0%
e. Big Bend Fuel Oil Tank # 2 Upgrade	61,658	61,658	0	0.0%
f. Big Bend Unit 1 Classifier Replacement	89,946	89,946	0	0.0%
g. Big Bend Unit 2 Classifier Replacement	65,159	65,159	0	0.0%
h. Big Bend Section 114 Mercury Testing Platform	9,760	9,760	0	0.0%
i. Big Bend Units 1 & 2 FGD	6,843,158	6,857,459	(14,301)	-0.2%
j. Big Bend FGD Optimization and Utilization	1,714,824	1,714,824	0	0.0%
k. Big Bend NO _x Emissions Reduction	576,255	576,255	0	0.0%
l. Big Bend PM Minimization and Monitoring	2,063,180	2,063,180	0	0.0%
m. Polk NO _x Emissions Reduction	128,558	128,558	0	0.0%
n. Big Bend Unit 4 SOFA	226,319	226,319	0	0.0%
o. Big Bend Unit 1 Pre-SCR	156,044	156,044	0	0.0%
p. Big Bend Unit 2 Pre-SCR	148,634	148,634	0	0.0%
q. Big Bend Unit 3 Pre-SCR	265,762	265,762	0	0.0%
r. Big Bend Unit 1 SCR	9,021,509	9,020,389	1,120	0.0%
s. Big Bend Unit 2 SCR	9,561,175	9,561,175	0	0.0%
t. Big Bend Unit 3 SCR	7,913,597	7,913,597	0	0.0%
u. Big Bend Unit 4 SCR	6,145,021	6,145,021	0	0.0%
v. Big Bend FGD System Reliability	2,391,870	2,391,870	0	0.0%
w. Mercury Air Toxics Standards	932,645	932,645	0	0.0%
x. SO ₂ Emissions Allowances	(3,071)	(3,070)	(1)	0.0%
y. Big Bend Gypsum Storage Facility	2,383,083	2,383,083	0	0.0%
z. Big Bend Coal Combustion Residuals Rule	51,396	59,761	(8,365)	-14.0%
2. Total Investment Projects - Recoverable Costs	\$52,217,139	\$52,238,686	(\$21,547)	0.0%
3. Recoverable Costs Allocated to Energy	\$52,066,597	\$52,079,779	(\$13,182)	0.0%
4. Recoverable Costs Allocated to Demand	\$150,542	\$158,907	(\$8,365)	-5.3%

Notes:

Column (1) is the End of Period Totals on Form 42-7A.
 Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI.
 Column (3) = Column (1) - Column (2)
 Column (4) = Column (3) / Column (2)

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Capital Investment Projects-Recoverable Costs
 (in Dollars)

Line	Description (A)	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total	Method of Classification Demand	Energy	
1.	a. Big Bend Unit 3 Flue Gas Desulfurization Integration	1	\$93,182	\$92,967	\$92,753	\$92,538	\$92,325	\$92,110	\$91,033	\$90,822	\$90,610	\$90,399	\$90,187	\$89,976	\$1,098,902	\$1,098,902	
	b. Big Bend Units 1 and 2 Flue Gas Conditioning	2	23,755	23,635	23,515	23,395	23,275	23,154	22,941	22,823	22,704	22,585	22,467	22,349	276,598	276,598	
	c. Big Bend Unit 4 Continuous Emissions Monitors	3	4,917	4,900	4,882	4,866	4,848	4,831	4,780	4,763	4,746	4,729	4,712	4,695	57,669	57,669	
	d. Big Bend Fuel Oil Tank # 1 Upgrade	4	3,194	3,182	3,172	3,162	3,152	3,141	3,106	3,096	3,086	3,076	3,066	3,055	37,488	\$37,488	
	e. Big Bend Fuel Oil Tank # 2 Upgrade	5	5,252	5,235	5,217	5,200	5,183	5,166	5,110	5,093	5,076	5,059	5,042	5,025	61,658	61,658	
	f. Big Bend Unit 1 Classifier Replacement	6	7,695	7,663	7,631	7,598	7,565	7,533	7,457	7,425	7,393	7,361	7,328	7,297	89,946	89,946	
	g. Big Bend Unit 2 Classifier Replacement	7	5,570	5,547	5,525	5,503	5,480	5,457	5,402	5,379	5,358	5,335	5,313	5,290	65,159	65,159	
	h. Big Bend Section 114 Mercury Testing Platform	8	829	827	824	823	820	818	808	806	805	802	800	798	9,760	9,760	
	i. Big Bend Units 1 & 2 FGD	9	583,056	581,109	579,162	577,214	575,267	573,319	567,140	565,220	563,299	561,378	559,457	557,537	6,843,158	6,843,158	
	j. Big Bend FGD Optimization and Utilization	10	145,418	145,082	144,745	144,409	144,072	143,736	142,057	141,725	141,393	140,729	140,397	140,065	1,714,824	1,714,824	
	k. Big Bend NO _x Emissions Reduction	11	48,696	48,621	48,545	48,469	48,394	48,318	47,722	47,648	47,572	47,498	47,423	47,349	576,255	576,255	
	l. Big Bend PM Minimization and Monitoring	12	175,176	174,724	174,271	173,819	173,365	172,913	170,935	170,489	170,042	169,595	169,149	168,702	2,063,180	2,063,180	
	m. Polk NO _x Emissions Reduction	13	10,937	10,904	10,871	10,838	10,805	10,772	10,653	10,621	10,588	10,555	10,523	10,491	128,558	128,558	
	n. Big Bend Unit 4 SOFA	14	19,206	19,159	19,111	19,064	19,016	18,969	18,750	18,702	18,656	18,609	18,562	18,515	226,319	226,319	
	o. Big Bend Unit 1 Pre-SCR	15	13,280	13,238	13,197	13,157	13,116	13,075	12,931	12,891	12,851	12,810	12,769	12,729	156,044	156,044	
	p. Big Bend Unit 2 Pre-SCR	16	12,637	12,600	12,562	12,524	12,491	12,455	12,316	12,280	12,245	12,208	12,173	12,137	148,634	148,634	
	q. Big Bend Unit 3 Pre-SCR	17	22,569	22,509	22,451	22,391	22,331	22,273	22,019	21,961	21,902	21,844	21,785	21,727	265,762	265,762	
	r. Big Bend Unit 1 SCR	18	765,659	763,374	761,095	758,818	757,827	756,840	748,565	746,401	744,133	741,866	739,599	737,332	9,021,509	9,021,509	
	s. Big Bend Unit 2 SCR	19	812,671	810,382	808,094	805,805	803,516	801,228	792,223	789,966	787,709	785,451	783,193	780,937	9,561,175	9,561,175	
	t. Big Bend Unit 3 SCR	20	667,963	666,304	665,056	663,330	662,007	660,680	656,960	655,112	653,262	651,414	649,566	647,718	7,913,597	7,913,597	
	u. Big Bend Unit 4 SCR	21	521,965	520,570	519,174	517,778	516,383	514,988	509,135	507,759	506,382	505,006	503,629	502,252	6,145,021	6,145,021	
	v. Big Bend FGD System Reliability	22	202,432	202,051	201,669	201,287	200,905	200,524	198,108	197,731	197,355	196,603	196,226	195,849	2,391,870	2,391,870	
	w. Mercury Air Toxics Standards	23	78,996	78,834	78,671	78,508	78,346	78,182	77,253	77,092	76,931	76,771	76,611	76,450	932,645	932,645	
	x. SO ₂ Emissions Allowances	24	(258)	(258)	(258)	(258)	(258)	(258)	(254)	(254)	(254)	(254)	(253)	(253)	(3,071)	(3,071)	
	y. Big Bend Gypsum Storage Facility	25	201,687	201,305	200,922	200,548	200,180	199,796	197,392	197,012	196,631	196,251	195,870	195,489	2,383,083	2,383,083	
	z. Big Bend Coal Combustion Residuals Rule	26	508	924	1,697	2,994	3,941	4,236	4,409	6,092	6,449	6,535	6,631	6,980	51,396	51,396	
2.	Total Investment Projects - Recoverable Costs		4,426,991	4,415,388	4,404,556	4,398,784	4,389,252	4,378,581	4,328,951	4,318,655	4,306,924	4,294,923	4,282,934	4,271,200	52,217,139	\$150,542	\$52,066,597
3.	Recoverable Costs Allocated to Energy		4,418,037	4,406,047	4,394,470	4,387,428	4,376,976	4,366,038	4,316,326	4,304,374	4,292,313	4,280,253	4,268,195	4,256,140	52,066,597		52,066,597
4.	Recoverable Costs Allocated to Demand		8,954	9,341	10,086	11,356	12,276	12,543	14,281	14,611	14,611	14,670	14,739	15,060	150,542	150,542	
5.	Retail Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000			
6.	Retail Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000			
7.	Jurisdictional Energy Recoverable Costs (C)		4,418,037	4,406,047	4,394,336	4,385,003	4,374,753	4,365,442	4,316,173	4,304,036	4,292,313	4,280,253	4,268,195	4,256,140	52,060,728		
8.	Jurisdictional Demand Recoverable Costs (D)		8,917	9,303	10,045	11,309	12,226	12,492	12,573	14,222	14,611	14,670	14,739	15,060	150,167		
9.	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 + 8)		\$4,426,954	\$4,415,350	\$4,404,381	\$4,396,312	\$4,386,979	\$4,377,934	\$4,328,746	\$4,318,258	\$4,306,924	\$4,294,923	\$4,282,934	\$4,271,200	\$52,210,895		

- Notes:**
 (A) Each project's Total System Recoverable Expenses on Form 42-8A, Line 9
 (B) Project's Total Return Component on Form 42-8A, Line 6
 (C) Line 3 x Line 5
 (D) Line 4 x Line 6

19

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 1 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 3 Flue Gas Desulfurization Integration
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	\$13,763,081	
3.	Less: Accumulated Depreciation	(5,094,244)	(5,123,081)	(5,151,918)	(5,180,755)	(5,209,592)	(5,238,429)	(5,267,266)	(5,296,103)	(5,324,940)	(5,353,777)	(5,382,614)	(5,411,451)	(5,440,288)	
4.	CWIP - Non-Interest Bearing		0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$8,668,837	8,640,000	8,611,163	8,582,326	8,553,489	8,524,652	8,495,815	8,466,978	8,438,141	8,409,304	8,380,467	8,351,630	8,322,793	
6.	Average Net Investment		8,654,419	8,625,582	8,596,745	8,567,908	8,539,071	8,510,234	8,481,397	8,452,560	8,423,723	8,394,886	8,366,049	8,337,212	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		50,681	50,512	50,343	50,174	50,006	49,837	49,503	49,335	49,166	48,998	48,830	48,662	\$596,047
b.	Debt Component Grossed Up For Taxes (C)		13,664	13,618	13,573	13,527	13,482	13,436	12,693	12,650	12,607	12,564	12,520	12,477	156,811
8.	Investment Expenses														
a.	Depreciation (D)		28,837	28,837	28,837	28,837	28,837	28,837	28,837	28,837	28,837	28,837	28,837	28,837	346,044
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		93,182	92,967	92,753	92,538	92,325	92,110	91,033	90,822	90,610	90,399	90,187	89,976	1,098,902
a.	Recoverable Costs Allocated to Energy		93,182	92,967	92,753	92,538	92,325	92,110	91,033	90,822	90,610	90,399	90,187	89,976	1,098,902
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		93,182	92,967	92,750	92,487	92,278	92,097	91,030	90,815	90,610	90,399	90,187	89,976	1,098,778
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$93,182	\$92,967	\$92,750	\$92,487	\$92,278	\$92,097	\$91,030	\$90,815	\$90,610	\$90,399	\$90,187	\$89,976	\$1,098,778

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$13,435,775) and 315.45 (\$327,307)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 2.5% and 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

20

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend Units 1 and 2 Flue Gas Conditioning
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734
3.	Less: Accumulated Depreciation	(3,985,586)	(4,001,727)	(4,017,868)	(4,034,009)	(4,050,150)	(4,066,291)	(4,082,432)	(4,098,573)	(4,114,714)	(4,130,855)	(4,146,996)	(4,163,137)	(4,179,278)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$1,032,148	1,016,007	999,866	983,725	967,584	951,443	935,302	919,161	903,020	886,879	870,738	854,597	838,456	
6.	Average Net Investment		1,024,078	1,007,937	991,796	975,655	959,514	943,373	927,232	911,091	894,950	878,809	862,668	846,527	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		5,997	5,903	5,808	5,714	5,619	5,524	5,412	5,318	5,224	5,129	5,035	4,941	\$65,624
b.	Debt Component Grossed Up For Taxes (C)		1,617	1,591	1,566	1,540	1,515	1,489	1,388	1,364	1,339	1,315	1,291	1,267	17,282
8.	Investment Expenses														
a.	Depreciation (D)		\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	\$16,141	193,692
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		23,755	23,635	23,515	23,395	23,275	23,154	22,941	22,823	22,704	22,585	22,467	22,349	276,598
a.	Recoverable Costs Allocated to Energy		23,755	23,635	23,515	23,395	23,275	23,154	22,941	22,823	22,704	22,585	22,467	22,349	276,598
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		23,755	23,635	23,514	23,382	23,263	23,151	22,940	22,821	22,704	22,585	22,467	22,349	276,566
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$23,755	\$23,635	\$23,514	\$23,382	\$23,263	\$23,151	\$22,940	\$22,821	\$22,704	\$22,585	\$22,467	\$22,349	\$276,566

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$2,676,217) and 312.42 (\$2,341,517)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 2.5% and 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

21

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 3 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 4 Continuous Emissions Monitors
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	
3.	Less: Accumulated Depreciation	(514,445)	(516,755)	(519,065)	(521,375)	(523,685)	(525,995)	(528,305)	(530,615)	(532,925)	(535,235)	(537,545)	(539,855)	(542,165)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$351,766	349,456	347,146	344,836	342,526	340,216	337,906	335,596	333,286	330,976	328,666	326,356	324,046	
6.	Average Net Investment		350,611	348,301	345,991	343,681	341,371	339,061	336,751	334,441	332,131	329,821	327,511	325,201	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		2,053	2,040	2,026	2,013	1,999	1,986	1,966	1,952	1,939	1,925	1,912	1,898	\$23,709
	b. Debt Component Grossed Up For Taxes (C)		554	550	546	543	539	535	504	501	497	494	490	487	6,240
8.	Investment Expenses														
	a. Depreciation (D)		\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	\$2,310	27,720
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		4,917	4,900	4,882	4,866	4,848	4,831	4,780	4,763	4,746	4,729	4,712	4,695	57,669
	a. Recoverable Costs Allocated to Energy		4,917	4,900	4,882	4,866	4,848	4,831	4,780	4,763	4,746	4,729	4,712	4,695	57,669
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		4,917	4,900	4,882	4,863	4,846	4,830	4,780	4,763	4,746	4,729	4,712	4,695	57,663
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$4,917	\$4,900	\$4,882	\$4,863	\$4,846	\$4,830	\$4,780	\$4,763	\$4,746	\$4,729	\$4,712	\$4,695	\$57,663

Notes:

- (A) Applicable depreciable base for Big Bend; account 315.44
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.2%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

22

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 4 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Fuel Oil Tank # 1 Upgrade
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	
3.	Less: Accumulated Depreciation	(257,032)	(258,442)	(259,852)	(261,262)	(262,672)	(264,082)	(265,492)	(266,902)	(268,312)	(269,722)	(271,132)	(272,542)	(273,952)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$240,546	239,136	237,726	236,316	234,906	233,496	232,086	230,676	229,266	227,856	226,446	225,036	223,626	
6.	Average Net Investment		239,841	238,431	237,021	235,611	234,201	232,791	231,381	229,971	228,561	227,151	225,741	224,331	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		1,405	1,396	1,388	1,380	1,372	1,363	1,350	1,342	1,334	1,326	1,318	1,309	\$16,283
	b. Debt Component Grossed Up For Taxes (C)		379	376	374	372	370	368	346	344	342	340	338	336	4,285
8.	Investment Expenses														
	a. Depreciation (D)		\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	16,920
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		3,194	3,182	3,172	3,162	3,152	3,141	3,106	3,096	3,086	3,076	3,066	3,055	37,488
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		3,194	3,182	3,172	3,162	3,152	3,141	3,106	3,096	3,086	3,076	3,066	3,055	37,488
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Retail Demand-Related Recoverable Costs (F)		3,181	3,169	3,159	3,149	3,139	3,128	3,093	3,083	3,086	3,076	3,066	3,055	37,384
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$3,181	\$3,169	\$3,159	\$3,149	\$3,139	\$3,128	\$3,093	\$3,083	\$3,086	\$3,076	\$3,066	\$3,055	\$37,384

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

23

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend Fuel Oil Tank # 2 Upgrade
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	
3.	Less: Accumulated Depreciation	(422,764)	(425,083)	(427,402)	(429,721)	(432,040)	(434,359)	(436,678)	(438,997)	(441,316)	(443,635)	(445,954)	(448,273)	(450,592)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$395,637	393,318	390,999	388,680	386,361	384,042	381,723	379,404	377,085	374,766	372,447	370,128	367,809	
6.	Average Net Investment		394,478	392,159	389,840	387,521	385,202	382,883	380,564	378,245	375,926	373,607	371,288	368,969	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		2,310	2,297	2,283	2,269	2,256	2,242	2,221	2,208	2,194	2,181	2,167	2,154	\$26,782
	b. Debt Component Grossed Up For Taxes (C)		623	619	615	612	608	605	570	566	563	559	556	552	7,048
8.	Investment Expenses														
	a. Depreciation (D)		\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	\$2,319	27,828
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		5,252	5,235	5,217	5,200	5,183	5,166	5,110	5,093	5,076	5,059	5,042	5,025	61,658
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		5,252	5,235	5,217	5,200	5,183	5,166	5,110	5,093	5,076	5,059	5,042	5,025	61,658
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Retail Demand-Related Recoverable Costs (F)		5,230	5,214	5,196	5,179	5,162	5,145	5,089	5,072	5,076	5,059	5,042	5,025	61,489
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$5,230	\$5,214	\$5,196	\$5,179	\$5,162	\$5,145	\$5,089	\$5,072	\$5,076	\$5,059	\$5,042	\$5,025	\$61,489

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend Unit 1 Classifier Replacement
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257
3.	Less: Accumulated Depreciation	(869,192)	(873,580)	(877,968)	(882,356)	(886,744)	(891,132)	(895,520)	(899,908)	(904,296)	(908,684)	(913,072)	(917,460)	(921,848)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$447,065	442,677	438,289	433,901	429,513	425,125	420,737	416,349	411,961	407,573	403,185	398,797	394,409	
6.	Average Net Investment		444,871	440,483	436,095	431,707	427,319	422,931	418,543	414,155	409,767	405,379	400,991	396,603	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		2,605	2,580	2,554	2,528	2,502	2,477	2,443	2,417	2,392	2,366	2,340	2,315	\$29,519
b.	Debt Component Grossed Up For Taxes (C)		702	695	689	682	675	668	626	620	613	607	600	594	7,771
8.	Investment Expenses														
a.	Depreciation (D)		\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	\$4,388	52,656
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		7,695	7,663	7,631	7,598	7,565	7,533	7,457	7,425	7,393	7,361	7,328	7,297	89,946
a.	Recoverable Costs Allocated to Energy		7,695	7,663	7,631	7,598	7,565	7,533	7,457	7,425	7,393	7,361	7,328	7,297	89,946
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		7,695	7,663	7,631	7,594	7,561	7,532	7,457	7,424	7,393	7,361	7,328	7,297	89,936
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$7,695	\$7,663	\$7,631	\$7,594	\$7,561	\$7,532	\$7,457	\$7,424	\$7,393	\$7,361	\$7,328	\$7,297	\$89,936

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 4.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

25

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 7 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 2 Classifier Replacement
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	\$984,794	
3.	Less: Accumulated Depreciation	(642,438)	(645,474)	(648,510)	(651,546)	(654,582)	(657,618)	(660,654)	(663,690)	(666,726)	(669,762)	(672,798)	(675,834)	(678,870)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$342,356	339,320	336,284	333,248	330,212	327,176	324,140	321,104	318,068	315,032	311,996	308,960	305,924	
6.	Average Net Investment		340,838	337,802	334,766	331,730	328,694	325,658	322,622	319,586	316,550	313,514	310,478	307,442	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		1,996	1,978	1,960	1,943	1,925	1,907	1,883	1,865	1,848	1,830	1,812	1,794	\$22,741
	b. Debt Component Grossed Up For Taxes (C)		538	533	529	524	519	514	483	478	474	469	465	460	5,986
8.	Investment Expenses														
	a. Depreciation (D)		\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	\$3,036	36,432
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		5,570	5,547	5,525	5,503	5,480	5,457	5,402	5,379	5,358	5,335	5,313	5,290	65,159
	a. Recoverable Costs Allocated to Energy		5,570	5,547	5,525	5,503	5,480	5,457	5,402	5,379	5,358	5,335	5,313	5,290	65,159
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		5,570	5,547	5,525	5,500	5,477	5,456	5,402	5,379	5,358	5,335	5,313	5,290	65,152
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
15.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$5,570	\$5,547	\$5,525	\$5,500	\$5,477	\$5,456	\$5,402	\$5,379	\$5,358	\$5,335	\$5,313	\$5,290	\$65,152

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

26

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend Section 114 Mercury Testing Platform
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	
3.	Less: Accumulated Depreciation	(48,403)	(48,695)	(48,987)	(49,279)	(49,571)	(49,863)	(50,155)	(50,447)	(50,739)	(51,031)	(51,323)	(51,615)	(51,907)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$72,334	72,042	71,750	71,458	71,166	70,874	70,582	70,290	69,998	69,706	69,414	69,122	68,830	
6.	Average Net Investment		72,188	71,896	71,604	71,312	71,020	70,728	70,436	70,144	69,852	69,560	69,268	68,976	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		423	421	419	418	416	414	411	409	408	406	404	403	\$4,952
b.	Debt Component Grossed Up For Taxes (C)		114	114	113	113	112	112	105	105	105	104	104	103	1,304
8.	Investment Expenses														
a.	Depreciation (D)		\$292	\$292	\$292	\$292	\$292	\$292	\$292	\$292	\$292	\$292	\$292	\$292	3,504
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		829	827	824	823	820	818	808	806	805	802	800	798	9,760
a.	Recoverable Costs Allocated to Energy		829	827	824	823	820	818	808	806	805	802	800	798	9,760
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		829	827	824	823	820	818	808	806	805	802	800	798	9,760
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$829	\$827	\$824	\$823	\$820	\$818	\$808	\$806	\$805	\$802	\$800	\$798	\$9,760

Notes:

- (A) Applicable depreciable base for Big Bend; account 311.40
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 2.9%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

27

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 9 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Units 1 and 2 FGD
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242	\$95,255,242
3.	Less: Accumulated Depreciation	(51,931,181)	(52,193,100)	(52,455,019)	(52,716,938)	(52,978,857)	(53,240,776)	(53,502,695)	(53,764,614)	(54,026,533)	(54,288,452)	(54,550,371)	(54,812,290)	(55,074,209)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$43,324,061	43,062,142	42,800,223	42,538,304	42,276,385	42,014,466	41,752,547	41,490,628	41,228,709	40,966,790	40,704,871	40,442,952	40,181,033	
6.	Average Net Investment		43,193,101	42,931,182	42,669,263	42,407,344	42,145,425	41,883,506	41,621,587	41,359,668	41,097,749	40,835,830	40,573,911	40,311,992	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		252,942	251,409	249,875	248,341	246,807	245,273	242,931	241,403	239,874	238,345	236,816	235,288	\$2,929,304
b.	Debt Component Grossed Up For Taxes (C)		68,195	67,781	67,368	66,954	66,541	66,127	62,290	61,898	61,506	61,114	60,722	60,330	770,826
8.	Investment Expenses														
a.	Depreciation (D)		\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	\$261,919	3,143,028
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		583,056	581,109	579,162	577,214	575,267	573,319	567,140	565,220	563,299	561,378	559,457	557,537	6,843,158
a.	Recoverable Costs Allocated to Energy		583,056	581,109	579,162	577,214	575,267	573,319	567,140	565,220	563,299	561,378	559,457	557,537	6,843,158
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		583,056	581,109	579,144	576,895	574,975	573,241	567,120	565,176	563,299	561,378	559,457	557,537	6,842,387
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$583,056	\$581,109	\$579,144	\$576,895	\$574,975	\$573,241	\$567,120	\$565,176	\$563,299	\$561,378	\$559,457	\$557,537	\$6,842,387

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$105,398), 312.46 (\$94,929,061) & 315.46 (\$220,782)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 2.5%, 3.3% and 3.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

28

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend FGD Optimization and Utilization
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737
3.	Less: Accumulated Depreciation	(8,247,637)	(8,292,911)	(8,338,185)	(8,383,459)	(8,428,733)	(8,474,007)	(8,519,281)	(8,564,555)	(8,609,829)	(8,655,103)	(8,700,377)	(8,745,651)	(8,790,925)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$13,492,100	13,446,826	13,401,552	13,356,278	13,311,004	13,265,730	13,220,456	13,175,182	13,129,908	13,084,634	13,039,360	12,994,086	12,948,812	
6.	Average Net Investment		13,469,463	13,424,189	13,378,915	13,333,641	13,288,367	13,243,093	13,197,819	13,152,545	13,107,271	13,061,997	13,016,723	12,971,449	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		78,878	78,613	78,348	78,083	77,818	77,553	77,031	76,767	76,503	76,239	75,974	75,710	\$927,517
b.	Debt Component Grossed Up For Taxes (C)		21,266	21,195	21,123	21,052	20,980	20,909	19,752	19,684	19,616	19,548	19,481	19,413	244,019
8.	Investment Expenses														
a.	Depreciation (D)		\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	\$45,274	543,288
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		145,418	145,082	144,745	144,409	144,072	143,736	142,057	141,725	141,393	141,061	140,729	140,397	1,714,824
a.	Recoverable Costs Allocated to Energy		145,418	145,082	144,745	144,409	144,072	143,736	142,057	141,725	141,393	141,061	140,729	140,397	1,714,824
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		145,418	145,082	144,741	144,329	143,999	143,716	142,052	141,714	141,393	141,061	140,729	140,397	1,714,631
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$145,418	\$145,082	\$144,741	\$144,329	\$143,999	\$143,716	\$142,052	\$141,714	\$141,393	\$141,061	\$140,729	\$140,397	\$1,714,631

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$21,699,919) and 311.45 (\$39,818)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 2.5% and 2.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

29

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend NO_x Emissions Reduction
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	
3.	Less: Accumulated Depreciation	1,994,187	1,984,003	1,973,819	1,963,635	1,953,451	1,943,267	1,933,083	1,922,899	1,912,715	1,902,531	1,892,347	1,882,163	1,871,979	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$5,185,039	5,174,855	5,164,671	5,154,487	5,144,303	5,134,119	5,123,935	5,113,751	5,103,567	5,093,383	5,083,199	5,073,015	5,062,831	
6.	Average Net Investment		5,179,947	5,169,763	5,159,579	5,149,395	5,139,211	5,129,027	5,118,843	5,108,659	5,098,475	5,088,291	5,078,107	5,067,923	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		30,334	30,275	30,215	30,155	30,096	30,036	29,877	29,818	29,758	29,699	29,639	29,580	\$359,482
	b. Debt Component Grossed Up For Taxes (C)		8,178	8,162	8,146	8,130	8,114	8,098	7,661	7,646	7,630	7,615	7,600	7,585	94,565
8.	Investment Expenses														
	a. Depreciation (D)		\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	\$10,184	122,208
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		48,696	48,621	48,545	48,469	48,394	48,318	47,722	47,648	47,572	47,498	47,423	47,349	576,255
	a. Recoverable Costs Allocated to Energy		48,696	48,621	48,545	48,469	48,394	48,318	47,722	47,648	47,572	47,498	47,423	47,349	576,255
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		48,696	48,621	48,544	48,442	48,369	48,311	47,720	47,644	47,572	47,498	47,423	47,349	576,189
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$48,696	\$48,621	\$48,544	\$48,442	\$48,369	\$48,311	\$47,720	\$47,644	\$47,572	\$47,498	\$47,423	\$47,349	\$576,189

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$1,675,171), 312.42 (\$1,075,718), and 312.43 (\$439,963).
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 4.0%, 3.7%, and 3.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

30

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: PM Minimization and Monitoring
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	-	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	\$19,757,774	
3.	Less: Accumulated Depreciation	(4,353,394)	(4,414,266)	(4,475,138)	(4,536,010)	(4,596,882)	(4,657,754)	(4,718,626)	(4,779,498)	(4,840,370)	(4,901,242)	(4,962,114)	(5,022,986)	(5,083,858)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$15,404,380	15,343,508	15,282,636	15,221,764	15,160,892	15,100,020	15,039,148	14,978,276	14,917,404	14,856,532	14,795,660	14,734,788	14,673,916	
6.	Average Net Investment		15,373,944	15,313,072	15,252,200	15,191,328	15,130,456	15,069,584	15,008,712	14,947,840	14,886,968	14,826,096	14,765,224	14,704,352	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		90,031	89,675	89,318	88,962	88,605	88,249	87,601	87,246	86,890	86,535	86,180	85,824	\$1,055,116
b.	Debt Component Grossed Up For Taxes (C)		24,273	24,177	24,081	23,985	23,888	23,792	22,462	22,371	22,280	22,188	22,097	22,006	277,600
8.	Investment Expenses														
a.	Depreciation (D)		\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	\$60,872	730,464
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		175,176	174,724	174,271	173,819	173,365	172,913	170,935	170,489	170,042	169,595	169,149	168,702	2,063,180
a.	Recoverable Costs Allocated to Energy		175,176	174,724	174,271	173,819	173,365	172,913	170,935	170,489	170,042	169,595	169,149	168,702	2,063,180
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		175,176	174,724	174,266	173,723	173,277	172,889	170,929	170,476	170,042	169,595	169,149	168,702	2,062,948
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$175,176	\$174,724	\$174,266	\$173,723	\$173,277	\$172,889	\$170,929	\$170,476	\$170,042	\$169,595	\$169,149	\$168,702	\$2,062,948

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$5,831,489), 312.42 (\$5,153,072), 312.43 (\$7,875,560), 315.41 (\$17,504), 315.44 (\$351,594), and 315.43 (\$528,554)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 4.0%, 3.7%, 3.5%, 3.5%, 3.2%, and 3.6%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 13 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Polk NO_x Emissions Reduction
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473
3.	Less: Accumulated Depreciation	(683,322)	(687,746)	(692,170)	(696,594)	(701,018)	(705,442)	(709,866)	(714,290)	(718,714)	(723,138)	(727,562)	(731,986)	(736,410)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$878,151	873,727	869,303	864,879	860,455	856,031	851,607	847,183	842,759	838,335	833,911	829,487	825,063	
6.	Average Net Investment		875,939	871,515	867,091	862,667	858,243	853,819	849,395	844,971	840,547	836,123	831,699	827,275	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		5,130	5,104	5,078	5,052	5,026	5,000	4,958	4,932	4,906	4,880	4,854	4,829	\$59,749
b.	Debt Component Grossed Up For Taxes (C)		1,383	1,376	1,369	1,362	1,355	1,348	1,271	1,265	1,258	1,251	1,245	1,238	15,721
8.	Investment Expenses														
a.	Depreciation (D)		\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	\$4,424	53,088
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		10,937	10,904	10,871	10,838	10,805	10,772	10,653	10,621	10,588	10,555	10,523	10,491	128,558
a.	Recoverable Costs Allocated to Energy		10,937	10,904	10,871	10,838	10,805	10,772	10,653	10,621	10,588	10,555	10,523	10,491	128,558
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		10,937	10,904	10,871	10,832	10,800	10,771	10,653	10,620	10,588	10,555	10,523	10,491	128,545
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$10,937	\$10,904	\$10,871	\$10,832	\$10,800	\$10,771	\$10,653	\$10,620	\$10,588	\$10,555	\$10,523	\$10,491	\$128,545

Notes:

- (A) Applicable depreciable base for Polk; account 342.81
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

32

DOCKET NO. 20180007-EI
 ECRC 2017 FINAL TRUE-UP
 EXHIBIT PAR-1, DOC. NO. 8, PAGE 13 OF 26

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 4 SOFA
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	\$2,558,730	
3.	Less: Accumulated Depreciation	(832,670)	(839,067)	(845,464)	(851,861)	(858,258)	(864,655)	(871,052)	(877,449)	(883,846)	(890,243)	(896,640)	(903,037)	(909,434)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$1,726,060	1,719,663	1,713,266	1,706,869	1,700,472	1,694,075	1,687,678	1,681,281	1,674,884	1,668,487	1,662,090	1,655,693	1,649,296	
6.	Average Net Investment		1,722,862	1,716,465	1,710,068	1,703,671	1,697,274	1,690,877	1,684,480	1,678,083	1,671,686	1,665,289	1,658,892	1,652,495	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		10,089	10,052	10,014	9,977	9,939	9,902	9,832	9,794	9,757	9,720	9,682	9,645	\$118,403
b.	Debt Component Grossed Up For Taxes (C)		2,720	2,710	2,700	2,690	2,680	2,670	2,521	2,511	2,502	2,492	2,483	2,473	31,152
8.	Investment Expenses														
a.	Depreciation (D)		\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	\$6,397	76,764
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		19,206	19,159	19,111	19,064	19,016	18,969	18,750	18,702	18,656	18,609	18,562	18,515	226,319
a.	Recoverable Costs Allocated to Energy		19,206	19,159	19,111	19,064	19,016	18,969	18,750	18,702	18,656	18,609	18,562	18,515	226,319
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		19,206	19,159	19,110	19,053	19,006	18,966	18,749	18,701	18,656	18,609	18,562	18,515	226,292
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$19,206	\$19,159	\$19,110	\$19,053	\$19,006	\$18,966	\$18,749	\$18,701	\$18,656	\$18,609	\$18,562	\$18,515	\$226,292

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.44
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

33

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 1 Pre-SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121
3.	Less: Accumulated Depreciation	(599,665)	(605,162)	(610,659)	(616,156)	(621,653)	(627,150)	(632,647)	(638,144)	(643,641)	(649,138)	(654,635)	(660,132)	(665,629)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$1,049,456	1,043,959	1,038,462	1,032,965	1,027,468	1,021,971	1,016,474	1,010,977	1,005,480	999,983	994,486	988,989	983,492	
6.	Average Net Investment		1,046,708	1,041,211	1,035,714	1,030,217	1,024,720	1,019,223	1,013,726	1,008,229	1,002,732	997,235	991,738	986,241	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		6,130	6,097	6,065	6,033	6,001	5,969	5,917	5,885	5,853	5,821	5,788	5,756	\$71,315
b.	Debt Component Grossed Up For Taxes (C)		1,653	1,644	1,635	1,627	1,618	1,609	1,517	1,509	1,501	1,492	1,484	1,476	18,765
8.	Investment Expenses														
a.	Depreciation (D)		\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	\$5,497	65,964
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		13,280	13,238	13,197	13,157	13,116	13,075	12,931	12,891	12,851	12,810	12,769	12,729	156,044
a.	Recoverable Costs Allocated to Energy		13,280	13,238	13,197	13,157	13,116	13,075	12,931	12,891	12,851	12,810	12,769	12,729	156,044
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		13,280	13,238	13,197	13,150	13,109	13,073	12,931	12,890	12,851	12,810	12,769	12,729	156,027
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$13,280	\$13,238	\$13,197	\$13,150	\$13,109	\$13,073	\$12,931	\$12,890	\$12,851	\$12,810	\$12,769	\$12,729	\$156,027

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 4.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Big Bend Unit 2 Pre-SCR
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	
3.	Less: Accumulated Depreciation	(535,796)	(540,673)	(545,550)	(550,427)	(555,304)	(560,181)	(565,058)	(569,935)	(574,812)	(579,689)	(584,566)	(589,443)	(594,320)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$1,046,091	1,041,214	1,036,337	1,031,460	1,026,583	1,021,706	1,016,829	1,011,952	1,007,075	1,002,198	997,321	992,444	987,567	
6.	Average Net Investment		1,043,653	1,038,776	1,033,899	1,029,022	1,024,145	1,019,268	1,014,391	1,009,514	1,004,637	999,760	994,883	990,006	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		6,112	6,083	6,055	6,026	5,997	5,969	5,921	5,892	5,864	5,835	5,807	5,778	\$71,339
b.	Debt Component Grossed Up For Taxes (C)		1,648	1,640	1,632	1,625	1,617	1,609	1,518	1,511	1,504	1,496	1,489	1,482	18,771
8.	Investment Expenses														
a.	Depreciation (D)		\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	\$4,877	58,524
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		12,637	12,600	12,564	12,528	12,491	12,455	12,316	12,280	12,245	12,208	12,173	12,137	148,634
a.	Recoverable Costs Allocated to Energy		12,637	12,600	12,564	12,528	12,491	12,455	12,316	12,280	12,245	12,208	12,173	12,137	148,634
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		12,637	12,600	12,564	12,521	12,485	12,453	12,316	12,279	12,245	12,208	12,173	12,137	148,618
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$12,637	\$12,600	\$12,564	\$12,521	\$12,485	\$12,453	\$12,316	\$12,279	\$12,245	\$12,208	\$12,173	\$12,137	\$148,618

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 3 Pre-SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507
3.	Less: Accumulated Depreciation	(736,766)	(744,719)	(752,672)	(760,625)	(768,578)	(776,531)	(784,484)	(792,437)	(800,390)	(808,343)	(816,296)	(824,249)	(832,202)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$1,969,741	1,961,788	1,953,835	1,945,882	1,937,929	1,929,976	1,922,023	1,914,070	1,906,117	1,898,164	1,890,211	1,882,258	1,874,305	
6.	Average Net Investment		1,965,765	1,957,812	1,949,859	1,941,906	1,933,953	1,926,000	1,918,047	1,910,094	1,902,141	1,894,188	1,886,235	1,878,282	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		11,512	11,465	11,419	11,372	11,325	11,279	11,195	11,149	11,102	11,056	11,009	10,963	\$134,846
b.	Debt Component Grossed Up For Taxes (C)		3,104	3,091	3,079	3,066	3,053	3,041	2,871	2,859	2,847	2,835	2,823	2,811	35,480
8.	Investment Expenses														
a.	Depreciation (D)		\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	\$7,953	95,436
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		22,569	22,509	22,451	22,391	22,331	22,273	22,019	21,961	21,902	21,844	21,785	21,727	265,762
a.	Recoverable Costs Allocated to Energy		22,569	22,509	22,451	22,391	22,331	22,273	22,019	21,961	21,902	21,844	21,785	21,727	265,762
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		22,569	22,509	22,450	22,379	22,320	22,270	22,018	21,959	21,902	21,844	21,785	21,727	265,732
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$22,569	\$22,509	\$22,450	\$22,379	\$22,320	\$22,270	\$22,018	\$21,959	\$21,902	\$21,844	\$21,785	\$21,727	\$265,732

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.43 (\$1,995,677) and 315.43 (\$710,830)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.5% and 3.6%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

36

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 1 SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$2,030	\$1,471	\$3,693	\$2,348	\$349,430	\$3,424	\$27,700	\$39	\$0	\$0	\$0	\$0	\$390,136
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	\$85,719,102	
3.	Less: Accumulated Depreciation	(25,139,646)	(25,448,812)	(25,757,978)	(26,067,144)	(26,376,310)	(26,685,476)	(26,994,642)	(27,303,808)	(27,612,974)	(27,922,140)	(28,231,306)	(28,540,472)	(28,849,638)	
4.	CWIP - Non-Interest Bearing	972,688	974,718	976,189	979,882	982,231	1,331,661	1,335,085	1,362,785	1,362,824	1,362,824	1,362,824	1,362,824	1,362,824	
5.	Net Investment (Lines 2 + 3 + 4)	\$61,552,144	61,245,008	60,937,313	60,631,840	60,325,022	60,365,287	60,059,545	59,778,078	59,468,952	59,159,786	58,850,620	58,541,454	58,232,288	
6.	Average Net Investment		61,398,576	61,091,160	60,784,576	60,478,431	60,345,154	60,212,416	59,918,812	59,623,515	59,314,369	59,005,203	58,696,037	58,386,871	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		359,555	357,755	355,960	354,167	353,386	352,609	349,726	348,003	346,198	344,394	342,589	340,785	\$4,205,127
b.	Debt Component Grossed Up For Taxes (C)		96,938	96,453	95,969	95,485	95,275	95,065	89,673	89,232	88,769	88,306	87,844	87,381	1,106,390
8.	Investment Expenses														
a.	Depreciation (D)		\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	3,709,992
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		765,659	763,374	761,095	758,818	757,827	756,840	748,565	746,401	744,133	741,866	739,599	737,332	9,021,509
a.	Recoverable Costs Allocated to Energy		765,659	763,374	761,095	758,818	757,827	756,840	748,565	746,401	744,133	741,866	739,599	737,332	9,021,509
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		765,659	763,374	761,072	758,399	757,442	756,737	748,538	746,342	744,133	741,866	739,599	737,332	9,020,493
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$765,659	\$763,374	\$761,072	\$758,399	\$757,442	\$756,737	\$748,538	\$746,342	\$744,133	\$741,866	\$739,599	\$737,332	\$9,020,493

Notes:

- (A) Applicable depreciable base for Big Bend: account 311.51 (\$22,278,982), 312.51 (\$48,529,672), 315.51 (\$14,063,245), and 316.51 (\$847,203).
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 4.1%, 4.3%, 4.8% and 4.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

37

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 2 SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	\$0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309	\$95,175,309
3.	Less: Accumulated Depreciation	(27,120,524)	(27,428,358)	(27,736,192)	(28,044,026)	(28,351,860)	(28,659,694)	(28,967,528)	(29,275,362)	(29,583,196)	(29,891,030)	(30,198,864)	(30,506,698)	(30,814,532)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$68,054,785	67,746,951	67,439,117	67,131,283	66,823,449	66,515,615	66,207,781	65,899,947	65,592,113	65,284,279	64,976,445	64,668,611	64,360,777	
6.	Average Net Investment		67,900,868	67,593,034	67,285,200	66,977,366	66,669,532	66,361,698	66,053,864	65,746,030	65,438,196	65,130,362	64,822,528	64,514,694	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		397,633	395,830	394,028	392,225	390,422	388,620	385,534	383,738	381,941	380,144	378,347	376,551	\$4,645,013
	b. Debt Component Grossed Up For Taxes (C)		107,204	106,718	106,232	105,746	105,260	104,774	98,855	98,394	97,934	97,473	97,012	96,552	1,222,154
8.	Investment Expenses														
	a. Depreciation (D)		\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	\$307,834	3,694,008
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		812,671	810,382	808,094	805,805	803,516	801,228	792,223	789,966	787,709	785,451	783,193	780,937	9,561,175
	a. Recoverable Costs Allocated to Energy		812,671	810,382	808,094	805,805	803,516	801,228	792,223	789,966	787,709	785,451	783,193	780,937	9,561,175
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		812,671	810,382	808,069	805,360	803,108	801,119	792,195	789,904	787,709	785,451	783,193	780,937	9,560,098
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$812,671	\$810,382	\$808,069	\$805,360	\$803,108	\$801,119	\$792,195	\$789,904	\$787,709	\$785,451	\$783,193	\$780,937	\$9,560,098

Notes:

- (A) Applicable depreciable base for Big Bend; account 311.52 (\$25,208,869), 312.52 (\$53,093,397), 315.52 (\$15,914,427), and 316.52 (\$958,616).
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 3.5%, 4.0%, 4.1% and 3.7%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

38

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 20 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 3 SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$8,218	\$40,313	\$119,276	\$44,067	\$39,007	(\$80,025)	\$0	\$0	\$0	\$0	\$0	\$0	\$170,856
b.	Clearings to Plant		0	0	1,391,667	44,067	39,007	(80,025)	0	0	0	0	0	0	1,394,715.87
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$80,369,887	\$80,369,887	\$80,369,887	\$81,761,553	\$81,805,620	\$81,844,627	\$81,764,602	\$81,764,602	\$81,764,602	\$81,764,602	\$81,764,602	\$81,764,602	\$81,764,602	\$81,764,602
3.	Less: Accumulated Depreciation	(24,927,025)	(25,174,566)	(25,422,107)	(25,669,648)	(25,921,712)	(26,173,919)	(26,426,253)	(26,678,327)	(26,930,401)	(27,182,475)	(27,434,549)	(27,686,623)	(27,938,697)	
4.	CWIP - Non-Interest Bearing	1,223,860	1,232,077	1,272,390	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
5.	Net Investment (Lines 2 + 3 + 4)	\$56,666,721	56,427,398	56,220,170	56,091,905	55,883,908	55,670,708	55,338,349	55,086,275	54,834,201	54,582,127	54,330,053	54,077,979	53,825,905	
6.	Average Net Investment		56,547,060	56,323,784	56,156,037	55,987,906	55,777,308	55,504,528	55,212,312	54,960,238	54,708,164	54,456,090	54,204,016	53,951,942	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		331,144	329,837	328,854	327,870	326,637	325,039	322,256	320,785	319,313	317,842	316,371	314,900	\$3,880,848
b.	Debt Component Grossed Up For Taxes (C)		89,278	88,926	88,661	88,396	88,063	87,632	82,630	82,253	81,875	81,498	81,121	80,744	1,021,077
8.	Investment Expenses														
a.	Depreciation (D)		\$247,541	\$247,541	\$247,541	\$252,064	\$252,207	\$252,334	\$252,074	\$252,074	\$252,074	\$252,074	\$252,074	\$252,074	3,011,672
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		667,963	666,304	665,056	668,330	666,907	665,005	656,960	655,112	653,262	651,414	649,566	647,718	7,913,597
a.	Recoverable Costs Allocated to Energy		667,963	666,304	665,056	668,330	666,907	665,005	656,960	655,112	653,262	651,414	649,566	647,718	7,913,597
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		667,963	666,304	665,036	667,961	666,568	664,914	656,937	655,061	653,262	651,414	649,566	647,718	7,912,704
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$667,963	\$666,304	\$665,036	\$667,961	\$666,568	\$664,914	\$656,937	\$655,061	\$653,262	\$651,414	\$649,566	\$647,718	\$7,912,704

Notes:

- (A) Applicable depreciable base for Big Bend; account 311.53 (\$21,689,422), 312.53 (\$45,559,543), 315.53 (\$13,690,954), and 316.53 (\$824,684).
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 3.1%, 3.9%, 4.0%, and 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

39

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 21 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Unit 4 SCR
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615	\$65,312,615
3.	Less: Accumulated Depreciation	(20,261,253)	(20,448,963)	(20,636,673)	(20,824,383)	(21,012,093)	(21,199,803)	(21,387,513)	(21,575,223)	(21,762,933)	(21,950,643)	(22,138,353)	(22,326,063)	(22,513,773)	(22,513,773)
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$45,051,362	44,863,652	44,675,942	44,488,232	44,300,522	44,112,812	43,925,102	43,737,392	43,549,682	43,361,972	43,174,262	42,986,552	42,798,842	
6.	Average Net Investment		44,957,507	44,769,797	44,582,087	44,394,377	44,206,667	44,018,957	43,831,247	43,643,537	43,455,827	43,268,117	43,080,407	42,892,697	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		263,275	262,176	261,076	259,977	258,878	257,779	255,828	254,733	253,637	252,542	251,446	250,350	\$3,081,697
b.	Debt Component Grossed Up For Taxes (C)		70,980	70,684	70,388	70,091	69,795	69,499	65,597	65,316	65,035	64,754	64,473	64,192	810,804
8.	Investment Expenses														
a.	Depreciation (D)		\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	\$187,710	2,252,520
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		521,965	520,570	519,174	517,778	516,383	514,988	509,135	507,759	506,382	505,006	503,629	502,252	6,145,021
a.	Recoverable Costs Allocated to Energy		521,965	520,570	519,174	517,778	516,383	514,988	509,135	507,759	506,382	505,006	503,629	502,252	6,145,021
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	-
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		521,965	520,570	519,158	517,492	516,121	514,918	509,117	507,719	506,382	505,006	503,629	502,252	6,144,329
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$521,965	\$520,570	\$519,158	\$517,492	\$516,121	\$514,918	\$509,117	\$507,719	\$506,382	\$505,006	\$503,629	\$502,252	\$6,144,329

Notes:

- (A) Applicable depreciable base for Big Bend; account 311.54 (\$16,857,250), 312.54 (\$36,567,266), 315.54 (\$10,642,027), 316.54 (\$687,934), and 315.40 (\$558,138)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rates are 2.4%, 3.8%, 3.9%, 3.3%, and 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

40

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend FGD System Reliability
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	a. Expenditures/Additions		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707	\$24,336,707
3.	Less: Accumulated Depreciation	(3,984,954)	(4,036,263)	(4,087,572)	(4,138,881)	(4,190,190)	(4,241,499)	(4,292,808)	(4,344,117)	(4,395,426)	(4,446,735)	(4,498,044)	(4,549,353)	(4,600,662)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$20,351,753	20,300,444	20,249,135	20,197,826	20,146,517	20,095,208	20,043,899	19,992,590	19,941,281	19,889,972	19,838,663	19,787,354	19,736,045	
6.	Average Net Investment		20,326,099	20,274,790	20,223,481	20,172,172	20,120,863	20,069,554	20,018,245	19,966,936	19,915,627	19,864,318	19,813,009	19,761,700	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		119,031	118,731	118,430	118,130	117,829	117,529	116,840	116,540	116,241	115,941	115,642	115,342	\$1,406,226
	b. Debt Component Grossed Up For Taxes (C)		32,092	32,011	31,930	31,848	31,767	31,686	29,959	29,882	29,805	29,729	29,652	29,575	369,936
8.	Investment Expenses														
	a. Depreciation (D)		\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	\$51,309	615,708
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		202,432	202,051	201,669	201,287	200,905	200,524	198,108	197,731	197,355	196,979	196,603	196,226	2,391,870
	a. Recoverable Costs Allocated to Energy		202,432	202,051	201,669	201,287	200,905	200,524	198,108	197,731	197,355	196,979	196,603	196,226	2,391,870
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		202,432	202,051	201,663	201,176	200,803	200,497	198,101	197,715	197,355	196,979	196,603	196,226	2,391,601
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$202,432	\$202,051	\$201,663	\$201,176	\$200,803	\$200,497	\$198,101	\$197,715	\$197,355	\$196,979	\$196,603	\$196,226	\$2,391,601

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.45 (\$22,880,499) and 312.44 (\$1,456,209).
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 2.5% and 3.0%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
Environmental Cost Recovery Clause (ECRC)
Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
For Project: Mercury Air Toxics Standards (MATS)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	8,586,395	
3.	Less: Accumulated Depreciation	(893,172)	(915,051)	(936,930)	(958,809)	(980,688)	(1,002,567)	(1,024,446)	(1,046,325)	(1,068,204)	(1,090,083)	(1,111,962)	(1,133,841)	(1,155,720)	
4.	CWIP - Non-Interest Bearing	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.	Net Investment (Lines 2 + 3 + 4)	<u>\$7,693,223</u>	<u>7,671,344</u>	<u>7,649,465</u>	<u>7,627,586</u>	<u>7,605,707</u>	<u>7,583,828</u>	<u>7,561,949</u>	<u>7,540,070</u>	<u>7,518,191</u>	<u>7,496,312</u>	<u>7,474,433</u>	<u>7,452,554</u>	<u>7,430,675</u>	
6.	Average Net Investment		7,682,284	7,660,405	7,638,526	7,616,647	7,594,768	7,572,889	7,551,010	7,529,131	7,507,252	7,485,373	7,463,494	7,441,615	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		44,988	44,860	44,732	44,604	44,476	44,347	44,073	43,945	43,817	43,690	43,562	43,434	\$530,528
b.	Debt Component Grossed Up For Taxes (C)		12,129	12,095	12,060	12,025	11,991	11,956	11,301	11,268	11,235	11,202	11,170	11,137	139,569
8.	Investment Expenses														
a.	Depreciation (D)		21,879	21,879	21,879	21,879	21,879	21,879	21,879	21,879	21,879	21,879	21,879	21,879	262,548
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		78,996	78,834	78,671	78,508	78,346	78,182	77,253	77,092	76,931	76,771	76,611	76,450	932,645
a.	Recoverable Costs Allocated to Energy		78,996	78,834	78,671	78,508	78,346	78,182	77,253	77,092	76,931	76,771	76,611	76,450	932,645
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		78,996	78,834	78,669	78,465	78,306	78,171	77,250	77,086	76,931	76,771	76,611	76,450	932,540
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		<u>\$78,996</u>	<u>\$78,834</u>	<u>\$78,669</u>	<u>\$78,465</u>	<u>\$78,306</u>	<u>\$78,171</u>	<u>\$77,250</u>	<u>\$77,086</u>	<u>\$76,931</u>	<u>\$76,771</u>	<u>\$76,611</u>	<u>\$76,450</u>	<u>\$932,540</u>

Notes:

- (A) Applicable depreciable base for Big Bend and Polk: accounts 312.44 (\$3,427,481), 341.80(\$26,150), 315.40 (\$1,226,949), 315.41 (\$138,853), 315.42 (\$138,853), 312.45 (\$2,053,017), 312.46 (\$1,242,315), 315.44 (\$16,035), 315.45 (\$40,217) and 315.46 (\$50,704), 311.40 (\$13,216), 345.81 (\$2,232), and 312.54 (\$210,295)
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.0%, 2.2%, 3.7%, 3.5%, 3.3%, 2.5%, 3.3%, 3.2%, 3.1%, 3.5%, 2.9%, 3.3%, and 3.8%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

42

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

For Project: SO₂ Emissions Allowances
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
	a. Purchases/Transfers		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Sales/Transfers		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Auction Proceeds/Other		0	0	0	95	0	0	0	0	0	0	0	0	95
2.	Working Capital Balance														
	a. FERC 158.1 Allowance Inventory	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. FERC 158.2 Allowances Withheld	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c. FERC 182.3 Other Regl. Assets - Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. FERC 254.01 Regulatory Liabilities - Gains	(34,829)	(34,734)	(34,734)	(34,734)	(34,654)	(34,654)	(34,654)	(34,570)	(34,570)	(34,570)	(34,513)	(34,513)	(34,513)	
3.	Total Working Capital Balance	(\$34,829)	(34,734)	(34,734)	(34,734)	(34,654)	(34,654)	(34,654)	(34,570)	(34,570)	(34,570)	(34,513)	(34,513)	(34,513)	
4.	Average Net Working Capital Balance		(\$34,781)	(\$34,734)	(\$34,734)	(\$34,694)	(\$34,654)	(\$34,654)	(\$34,612)	(\$34,570)	(\$34,570)	(\$34,542)	(\$34,513)	(\$34,513)	
5.	Return on Average Net Working Capital Balance														
	a. Equity Component Grossed Up For Taxes (A)		(204)	(203)	(203)	(203)	(203)	(203)	(202)	(202)	(202)	(202)	(201)	(201)	(2,429)
	b. Debt Component Grossed Up For Taxes (B)		(55)	(55)	(55)	(55)	(55)	(55)	(52)	(52)	(52)	(52)	(52)	(52)	(642)
6.	Total Return Component		(259)	(258)	(258)	(258)	(258)	(258)	(254)	(254)	(254)	(254)	(253)	(253)	(3,071)
7.	Expenses:														
	a. Gains		0	0	0	(95)	0	0	0	0	0	0	0	0	(95)
	b. Losses		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. SO ₂ Allowance Expense		(75)	3	15	(72)	9	6	(74)	3	2	(34)	17	18	(182)
8.	Net Expenses (D)		(75)	3	15	(167)	9	6	(74)	3	2	(34)	17	18	(277)
9.	Total System Recoverable Expenses (Lines 6 + 8)		(334)	(255)	(243)	(425)	(249)	(252)	(328)	(251)	(252)	(288)	(236)	(235)	(3,348)
	a. Recoverable Costs Allocated to Energy		(334)	(255)	(243)	(425)	(249)	(252)	(328)	(251)	(252)	(288)	(236)	(235)	(3,348)
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		(334)	(255)	(243)	(424)	(249)	(252)	(328)	(251)	(252)	(288)	(236)	(235)	(3,347)
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Juris. Recoverable Costs (Lines 12 + 13)		(\$334)	(\$255)	(\$243)	(\$424)	(\$249)	(\$252)	(\$328)	(\$251)	(\$252)	(\$288)	(\$236)	(\$235)	(\$3,347)

Notes:

- (A) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (B) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (C) Line 6 is reported on Schedule 7E.
- (D) Line 8 is reported on Schedule 5E.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

* Totals on this schedule may not foot due to rounding.

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Gypsum Storage Facility
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$222.80	\$519.59	\$0.00	\$3,082.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,825
b.	Clearings to Plant		222.80	519.59	0.00	3,082.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,825
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	21,463,534	21,463,757	21,464,276	21,464,276	21,467,359	21,467,359	21,467,359	21,467,359	21,467,359	21,467,359	21,467,359	21,467,359	21,467,359	
3.	Less: Accumulated Depreciation	(1,287,262)	(1,339,132)	(1,391,003)	(1,442,875)	(1,494,747)	(1,546,626)	(1,598,505)	(1,650,384)	(1,702,263)	(1,754,142)	(1,806,021)	(1,857,900)	(1,909,779)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$20,176,272	20,124,625	20,073,273	20,021,401	19,972,612	19,920,733	19,868,854	19,816,975	19,765,096	19,713,217	19,661,338	19,609,459	19,557,580	
6.	Average Net Investment		20,150,448	20,098,949	20,047,337	19,997,007	19,946,673	19,894,794	19,842,915	19,791,036	19,739,157	19,687,278	19,635,399	19,583,520	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		118,003	117,701	117,399	117,104	116,809	116,506	115,816	115,514	115,211	114,908	114,605	114,302	\$1,393,878
b.	Debt Component Grossed Up For Taxes (C)		31,814	31,733	31,651	31,572	31,492	31,411	29,697	29,619	29,541	29,464	29,386	29,308	366,688
8.	Investment Expenses														
a.	Depreciation (D)		51,870	51,871	51,872	51,872	51,879	51,879	51,879	51,879	51,879	51,879	51,879	51,879	622,517
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		201,687	201,305	200,922	200,548	200,180	199,796	197,392	197,012	196,631	196,251	195,870	195,489	2,383,083
a.	Recoverable Costs Allocated to Energy		201,687	201,305	200,922	200,548	200,180	199,796	197,392	197,012	196,631	196,251	195,870	195,489	2,383,083
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		201,687	201,305	200,916	200,437	200,078	199,769	197,385	196,997	196,631	196,251	195,870	195,489	2,382,815
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$201,687	\$201,305	\$200,916	\$200,437	\$200,078	\$199,769	\$197,385	\$196,997	\$196,631	\$196,251	\$195,870	\$195,489	\$2,382,815

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 311.40
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 2.9%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to December 2017

Form 42-8A
 Page 26 of 26

Return on Capital Investments, Depreciation and Taxes
 For Project: Big Bend Coal Combustion Residuals Rule
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$38,897	\$73,061	\$134,967	\$213,581	\$41,422	\$37,847	\$25,027	\$38,771	\$13,597	\$3,734	\$23,551	\$75,634	\$720,089
b.	Clearings to Plant		0	0	0	0	0	0	581,820	70,453	13,782	3,734	(1,054)	0	668,735
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	-	-	-	-	-	-	-	581,820	652,273	666,055	669,789	668,735	668,735	
3.	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	(1,455)	(3,086)	(4,751)	(6,425)	(8,097)	
4.	CWIP - Non-Interest Bearing	48,885	87,783	160,843	295,810	509,391	550,813	588,660	31,867	185	(0)	(0)	24,605	100,239	
5.	Net Investment (Lines 2 + 3 + 4)	\$48,885	87,783	160,843	295,810	509,391	550,813	588,660	613,687	651,003	662,969	665,038	686,915	760,877	
6.	Average Net Investment		68,334	124,313	228,327	402,601	530,102	569,737	601,174	632,345	656,986	664,003	675,976	723,896	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		400	728	1,337	2,358	3,104	3,336	3,509	3,691	3,835	3,876	3,945	4,225	\$34,344
b.	Debt Component Grossed Up For Taxes (C)		108	196	360	636	837	900	900	946	983	994	1,012	1,083	8,955
8.	Investment Expenses														
a.	Depreciation (D)		-	-	-	-	-	-	-	1,455	1,631	1,665	1,674	1,672	8,097
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		508	924	1,697	2,994	3,941	4,236	4,409	6,092	6,449	6,535	6,631	6,980	51,396
a.	Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
b.	Recoverable Costs Allocated to Demand		508	924	1,697	2,994	3,941	4,236	4,409	6,092	6,449	6,535	6,631	6,980	51,396
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	0.9999695	0.9994472	0.9994922	0.9998635	0.9999645	0.9999215	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	0.9958992	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Retail Demand-Related Recoverable Costs (F)		506	920	1,690	2,982	3,925	4,219	4,391	6,067	6,449	6,535	6,631	6,980	51,294
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$506	\$920	\$1,690	\$2,982	\$3,925	\$4,219	\$4,391	\$6,067	\$6,449	\$6,535	\$6,631	\$6,980	\$51,294

Notes:

- (A) Applicable depreciable base for Big Bend; accounts 312.44
- (B) Line 6 x 7.0273% x 1/12 (Jan-Jun) and Line 6 x 7.0040% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200)
- (C) Line 6 x 1.8946% x 1/12 (Jan-Jun) and Line 6 x 1.7959% x 1/12 (Jul-Dec)
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

45

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of Final True-up Amount for the Period
January 2017 to June 2017

Calculation of Revenue Requirement Rate of Return
 (In Dollars)

	(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	<u>7,686</u>	<u>0.17%</u>	7.89%	<u>0.0100%</u>
Total	<u>\$ 4,402,530</u>	<u>100.00%</u>		<u>6.20%</u>

ITC split between Debt and Equity:

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

Deferred ITC - Weighted Cost:

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

Total Equity Cost Rate:

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

Total Debt Cost Rate:

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

Notes:

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

Tampa Electric Company
 Environmental Cost Recovery Clause (ECRC)
 Calculation of the Final True-up Amount for the Period
JULY 2017 to DECEMBER 2017

Calculation of Revenue Requirement Rate of Return
 (In Dollars)

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2017 (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,611,554	33.14%	5.12%	1.6968%
Short Term Debt	118,708	2.44%	1.55%	0.0378%
Preferred Stock	0	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	<u>11,216</u>	<u>0.23%</u>	7.78%	<u>0.0179%</u>
Total	<u>\$ 4,862,681</u>	<u>100.00%</u>		<u>6.09%</u>

ITC split between Debt and Equity:

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

Deferred ITC - Weighted Cost:

Debt = .0100% * 46.00%	0.0082%
Equity = .0100% * 54.00%	<u>0.0097%</u>
Weighted Cost	<u>0.0179%</u>

Total Equity Cost Rate:

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

Total Debt Cost Rate:

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

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 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)