

**AUSLEY McMULLEN**

ATTORNEYS AND COUNSELORS AT LAW

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

July 31, 2015

**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. 150007-EI

Dear Ms. Stauffer:

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

1. Petition of Tampa Electric Company.
2. Prepared Direct Testimony and Exhibit (PAR-2) of Penelope A. Rusk regarding Environmental Cost Recovery Factors Actual/Estimated True-up for the period January 2015 through December 2015.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
Attachment

cc: All Parties of Record (w/attachment)

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and Testimony and Exhibit of Penelope A. Rusk, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 31<sup>st</sup> day of July 2015 to the following:

Mr. Charles W. Murphy  
Senior Attorney  
Office of the General Counsel  
Florida Public Service Commission  
Room 390R – Gerald L. Gunter Building  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850  
[cmurphy@psc.state.fl.us](mailto:cmurphy@psc.state.fl.us)

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](mailto:christensen.patty@leg.state.fl.us)

Mr. Jon C. Moyle, Jr.  
Moyle Law Firm  
118 N. Gadsden Street  
Tallahassee, FL 32301  
[jmoyle@moylelaw.com](mailto:jmoyle@moylelaw.com)

Mr. Matthew R. Bernier  
Duke Energy Florida, Inc.  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301-7740  
[matthew.bernier@duke-energy.com](mailto: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](mailto:dianne.triplett@duke-energy.com)

Mr. John T. Butler  
Assistant General Counsel - Regulatory  
Florida Power & Light Company  
700 Universe Boulevard (LAW/JB)  
Juno Beach, FL 33408-0420  
[john.butler@fpl.com](mailto:john.butler@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](mailto:ken.hoffman@fpl.com)

Mr. Gary V. Perko  
Hopping Green & Sams, P.A.  
Post Office Box 6526  
Tallahassee, FL 32314  
[gperko@hgslaw.com](mailto:gperko@hgslaw.com)

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

Mr. Jeffrey A. Stone  
Mr. Russell A. Badders  
Mr. Steven R. Griffin  
Beggs and Lane  
Post Office Box 12950  
Pensacola, FL 32591-2950  
[jas@beggslane.com](mailto:jas@beggslane.com)  
[rab@beggslane.com](mailto:rab@beggslane.com)  
[srg@beggslane.com](mailto:srg@beggslane.com)

Mr. David J. Marshall  
c/o DeSoto County Generating Company, LLC  
1700 Broadway, 35th Floor  
New York, New York 10019  
[dmarshall@LSPower.com](mailto:dmarshall@LSPower.com)

Mr. James W. Brew  
Mr. Owen J. Kopon  
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](mailto:jbrew@smxblaw.com)  
[ojk@smxblaw.com](mailto:ojk@smxblaw.com)  
[laura.wynn@smxblaw.com](mailto:laura.wynn@smxblaw.com)

  
\_\_\_\_\_  
ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Environmental Cost    )  
Recovery Clause.            )  
\_\_\_\_\_                        )

DOCKET NO. 150007-EI

FILED: July 31, 2015

**PETITION OF TAMPA ELECTRIC COMPANY**

Tampa Electric Company ("Tampa Electric" or "the company"), hereby petitions the Commission for approval of the company's actual/estimated environmental cost recovery true-up for the period January 2015 through December 2015, and in support thereof, says:

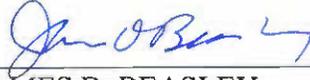
**Environmental Cost Recovery**

1. Tampa Electric projects an estimated/actual true-up amount for the January 2015 through December 2015 period, which is based on actual data for the period January 1, 2015 through June 30, 2015 and revised estimates for the period July 1, 2015 through December 31, 2015, to be an over-recovery of \$4,535,273. [See Exhibit No. \_\_\_\_ (PAR-2), Document No. 1 (Schedule 42-1E), from the filing dated July 31, 2015.]
2. 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 this Commission's approval of the company's actual/estimated environmental cost recovery true-up calculations for the period January 1, 2015 through December 31, 2015.

DATED this 31<sup>st</sup> day of July 2015.

Respectfully submitted,



---

JAMES D. BEASLEY  
J. JEFFRY WAHLEN  
ASHLEY M. DANIELS  
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 31st day of July 2015 to the following:

Mr. Charles W. Murphy  
Senior Attorney  
Office of the General Counsel  
Florida Public Service Commission  
Room 390R – Gerald L. Gunter Building  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850  
[cmurphy@psc.state.fl.us](mailto:cmurphy@psc.state.fl.us)

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](mailto:christensen.patty@leg.state.fl.us)

Mr. Jon C. Moyle, Jr.  
Moyle Law Firm  
118 N. Gadsden Street  
Tallahassee, FL 32301  
[jmoyle@moylelaw.com](mailto:jmoyle@moylelaw.com)

Mr. Matthew R. Bernier  
Duke Energy Florida, Inc.  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301-7740  
[matthew.bernier@duke-energy.com](mailto: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](mailto:dianne.triplett@duke-energy.com)

Mr. John T. Butler  
Assistant General Counsel - Regulatory  
Florida Power & Light Company  
700 Universe Boulevard (LAW/JB)  
Juno Beach, FL 33408-0420  
[john.butler@fpl.com](mailto:john.butler@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](mailto:ken.hoffman@fpl.com)

Mr. Gary V. Perko  
Hopping Green & Sams, P.A.  
Post Office Box 6526  
Tallahassee, FL 32314  
[gperko@hgslaw.com](mailto:gperko@hgslaw.com)

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

Mr. Jeffrey A. Stone  
Mr. Russell A. Badders  
Mr. Steven R. Griffin  
Beggs and Lane  
Post Office Box 12950  
Pensacola, FL 32591-2950  
[jas@beggslane.com](mailto:jas@beggslane.com)  
[rab@beggslane.com](mailto:rab@beggslane.com)  
[srg@beggslane.com](mailto:srg@beggslane.com)

Mr. David J. Marshall  
c/o DeSoto County Generating Company,  
LLC  
1700 Broadway, 35th Floor  
New York, New York 10019  
[dmarshall@LSPower.com](mailto:dmarshall@LSPower.com)

Mr. James W. Brew  
Mr. Owen J. Kopon  
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](mailto:jbrew@smxblaw.com)  
[ojk@smxblaw.com](mailto:ojk@smxblaw.com)  
[laura.wynn@smxblaw.com](mailto:laura.wynn@smxblaw.com)

  
\_\_\_\_\_  
ATTORNEY



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION  
DOCKET NO. 150007-EI  
IN RE:  
ENVIRONMENTAL COST RECOVERY FACTORS  
ACTUAL / ESTIMATED TRUE-UP  
JANUARY 2015 THROUGH DECEMBER 2015  
TESTIMONY AND EXHIBIT  
OF  
PENELOPE A. RUSK



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

7  
8 **Q.** What is the purpose of your testimony in this proceeding?  
9

10 **A.** The purpose of my testimony is to present, for Commission  
11 review and approval, the calculation of the January 2015  
12 through December 2015 actual/estimated true-up amount to  
13 be refunded or recovered through the Environmental Cost  
14 Recovery Clause ("ECRC") during the period January 2016  
15 through December 2016. My testimony addresses the  
16 recovery of capital and operations and maintenance  
17 ("O&M") costs associated with environmental compliance  
18 activities for 2015, based on six months of actual data  
19 and six months of estimated data. This information will  
20 be used in the determination of the environmental cost  
21 recovery factors for January 2016 through December 2016.  
22

23 **Q.** Have you prepared an exhibit that shows the recoverable  
24 environmental costs for the actual/estimated period  
25 January 2015 through December 2015?

1 **A.** Yes. Exhibit No. \_\_\_\_\_ (PAR-2), containing nine  
2 documents, was prepared under my direction and  
3 supervision. It includes Forms 42-1E through 42-9E, which  
4 show the current period actual/estimated true-up amount  
5 to be used in calculating the cost recovery factors for  
6 January 2016 through December 2016.

7

8 **Q.** What has Tampa Electric calculated as the  
9 actual/estimated true-up for the current period to be  
10 applied to the January 2016 through December 2016 ECRC  
11 factors?

12

13 **A.** The actual/estimated true-up applicable for the current  
14 period, January 2015 through December 2015, is an over-  
15 recovery of \$4,535,273. A detailed calculation supporting  
16 the calculation of the actual/estimated true-up is shown  
17 on Forms 42-1E through 42-9E of my exhibit.

18

19 **Q.** Is Tampa Electric including costs in the actual/estimated  
20 true-up filing for any new environmental projects that  
21 were not anticipated and included in its 2015 ECRC  
22 factors?

23

24 **A.** No, Tampa Electric is not including costs for any new  
25 environmental projects that were not anticipated or

1 included in its 2015 ECRC factors.

2  
3 **Q.** What depreciation rates were utilized for the capital  
4 projects contained in the 2015 actual/estimated true-up?

5  
6 **A.** Tampa Electric utilized the depreciation rates approved  
7 in Order No. PSC-12-0175-PAA-EI, issued on April 3, 2012,  
8 in Docket No. 110131-EI.

9  
10 **Q.** What capital structure, components and cost rates did  
11 Tampa Electric rely on to calculate the revenue  
12 requirement rate of return for January 2015 through  
13 December 2015?

14  
15 **A.** Tampa Electric relied upon the capital structure,  
16 components and cost rates approved by the Commission in  
17 Order No. PSC-12-0425-PAA-EU, issued on August 16, 2012  
18 in Docket No. 120007-EI, to calculate the revenue  
19 requirement rate of return found on Form 42-9E.

20  
21 **Q.** How did the actual/estimated project expenditures for the  
22 January 2015 through December 2015 period compare with  
23 the company's original projections?

24  
25 **A.** As shown on Form 42-4E, total O&M costs are expected to

1 be \$3,304,559 less than the amount that was originally  
2 projected. The total capital expenditures itemized on  
3 Form 42-6E, are expected to be \$627,932 less than  
4 originally projected. The material variances for O&M and  
5 capital investment projects are explained below.

6  
7 **O&M Project Variances**

- 8 • **Big Bend Unit 3 Flue Gas Desulfurization Integration:** The  
9 Big Bend Unit 3 Flue Gas Desulfurization project variance  
10 is estimated to be \$638,508 or 10.2 percent less than  
11 projected. This variance is due to a forced outage on Big  
12 Bend Unit 3 that resulted in a decrease in chemical  
13 consumption.
- 14  
15 • **SO<sub>2</sub> Emission Allowances:** The SO<sub>2</sub> Emission Allowances  
16 project variance is estimated to be \$10,930 or 41.8  
17 percent less than projected. The variance is due to less  
18 cogeneration purchases than projected and the application  
19 of a lower SO<sub>2</sub> emission allowance rate than originally  
20 projected.
- 21  
22 • **Big Bend Units 1 & 2 FGD:** The Big Bend Units 1 & 2 FGD  
23 project variance is estimated to be \$1,399,241 or 13.7  
24 percent less than projected. This variance is due to a  
25 forced outage on Big Bend Unit 2, which resulted in a

1 decrease in chemical consumption.

2  
3 • **Big Bend PM Minimization and Monitoring: The Big Bend PM**  
4 Minimization and Monitoring project variance is estimated  
5 to be \$64,608 or 7.7 percent greater than projected. This  
6 variance is due to an increase in price for routine  
7 monthly Best Operating Practices ("BOP") inspections.

8  
9 • **Polk NO<sub>x</sub> Emissions Reduction:** The Polk NO<sub>x</sub> Emissions  
10 Reduction project variance is estimated to be \$9,679 or  
11 48.4 percent less than originally projected. This  
12 variance is due to an extended outage for Polk Unit 1.  
13 Due to the extended outage, there was minimal maintenance  
14 associated with this project.

15  
16 • **Big Bend Unit 4 SOFA:** The Big Bend Unit 4 SOFA project  
17 variance is estimated to be \$24,000 or 50 percent less  
18 than projected. The actual/estimated maintenance cost  
19 associated with this project is less than what was  
20 originally projected because less maintenance work was  
21 needed than projected.

22  
23 • **Big Bend Unit 3 Pre-SCR:** The Big Bend Unit 3 Pre-SCR  
24 project variance is estimated to be \$24,000 or 50 percent  
25 less than projected. The actual/estimated maintenance

1 costs associated with this project is less than what was  
2 originally projected because less maintenance work was  
3 needed than originally projected.

- 4
- 5 • **Arsenic Groundwater Standard Program:** The Arsenic  
6 Groundwater Standard Program variance is estimated to be  
7 \$242,440 or 80.8 percent less than what was originally  
8 projected. This variance is due to ongoing negotiations  
9 with the FDEP regarding groundwater treatment at Bayside  
10 Station.

- 11
- 12 • **Clean Water Act Section 316(b) Phase II Study:** The Clean  
13 Water Act Section 316(b) Phase II Study variance is  
14 estimated to be \$589,348 or 61.4 percent less than  
15 originally projected. This variance is due to ongoing  
16 negotiations regarding the use of existing 316(b) data.  
17 As a result, there is a delay in the timing of work to be  
18 done to meet the requirements of the May 2014 rule.

- 19
- 20 • **Big Bend Unit 1 SCR:** The Big Bend Unit 1 SCR project  
21 variance is estimated to be \$182,976 or 8.5 greater than  
22 originally projected. This variance is due to  
23 actual/estimated consumption of ammonia being greater  
24 than originally projected. Greater ammonia consumption is  
25 expected because Big Bend Unit 1 is expected to operate

1 for a greater number of hours than originally projected.

2  
3 • **Big Bend Unit 2 SCR:** The Big Bend Unit 2 SCR project  
4 variance is estimated to be \$620,936 or 24.8 percent less  
5 than originally projected due to an extended outage that  
6 decreased the amount of ammonia consumed.

7  
8 • **Big Bend Unit 3 SCR:** The Big Bend Unit 3 SCR project  
9 variance is estimated to be \$207,081 or 10.2 percent  
10 greater than originally projected. Greater ammonia  
11 consumption is expected because Big Bend Unit 3 is  
12 expected to operate for a greater number of hours than  
13 originally projected.

14  
15 • **Big Bend Unit 4 SCR:** The Big Bend Unit 4 SCR project  
16 variance is estimated to be \$60,715 or 5.5 percent  
17 greater than originally projected. The actual/estimated  
18 consumption of ammonia is expected to be greater than  
19 originally projected because Big Bend Unit 4 is expected  
20 to operate for a greater number of hours than originally  
21 projected.

22  
23 • **Mercury Air Toxics Standards ("MATS"):** The MATS program  
24 variance is expected to be \$46,608 or 20.3 percent less  
25 than originally projected. This variance is due to Tampa

1 Electric utilizing internal labor resources for stack  
2 testing. The original projection included costs for  
3 contractor labor to complete the testing.  
4

- 5 • **Big Bend Gypsum Storage Facility:** The Big Bend Gypsum  
6 Storage Facility program variance is expected to be  
7 \$211,895 or 16.5 percent less than originally projected.  
8 This variance is due to extended usage of the old storage  
9 facility, resulting in less utilization of this storage  
10 facility than originally projected.  
11

#### 12 Capital Investment Project Variances

- 13 • **Big Bend Gypsum Storage Facility:** The Big Bend Gypsum  
14 Storage Facility project variance is estimated to be  
15 \$303,704 or 10.8 percent less than projected. The  
16 depreciation rate used to project depreciation amounts  
17 for this project, in the original projection, was  
18 inaccurate. The company assigned the correct depreciation  
19 rate, reducing the expected amount of cost recovery for  
20 this project for the actual/estimated period.  
21

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

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

INDEX

TAMPA ELECTRIC COMPANY  
ENVIRONMENTAL COST RECOVERY CLAUSE

ACTUAL / ESTIMATED TRUE-UP AMOUNT  
FOR THE PERIOD OF  
JANUARY 2015 THROUGH DECEMBER 2015

FORMS 42-1E THROUGH 42-9E

<u>DOCUMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Form 42-1E	11
2	Form 42-2E	12
3	Form 42-3E	13
4	Form 42-4E	14
5	Form 42-5E	15
6	Form 42-6E	16
7	Form 42-7E	17
8	Form 42-8E	18
9	Form 42-9E	43

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual/Estimated Amount  
**January 2015 to December 2015**  
 (in Dollars)

Form 42 - 1E

<u>Line</u>	<u>Period Amount</u>
1. Over/(Under) Recovery for the Current Period (Form 42-2E, Line 5)	\$4,529,263
2. Interest Provision (Form 42-2E, Line 6)	6,010
3. Sum of Current Period Adjustments (Form 42-2E, Line 10)	0
4. Current Period True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2016 to December 2016 (Lines 1 + 2 + 3)	\$4,535,273

11

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

**Current Period True-Up Amount**  
 (in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1. ECRC Revenues (net of Revenue Taxes)	\$5,651,676	\$5,285,880	\$5,413,142	\$6,085,000	\$6,509,236	\$7,216,835	\$7,351,719	\$7,257,057	\$7,467,758	\$6,739,743	\$5,655,851	\$5,476,631	\$76,110,528
2. True-Up Provision	741,062	741,062	741,062	741,062	741,062	741,062	741,062	741,062	741,062	741,062	741,062	741,066	8,892,748
3. ECRC Revenues Applicable to Period (Lines 1 + 2)	6,392,738	6,026,942	6,154,204	6,826,062	7,250,298	7,957,897	8,092,781	7,998,119	8,208,820	7,480,805	6,396,913	6,217,697	85,003,276
4. Jurisdictional ECRC Costs													
a. O & M Activities (Form 42-5E, Line 9)	2,276,795	1,920,574	1,722,232	1,774,138	2,590,735	2,578,233	2,220,446	1,984,182	2,328,057	2,000,755	2,129,976	1,735,531	25,261,654
b. Capital Investment Projects (Form 42-7E, Line 9)	4,661,016	4,652,145	4,641,288	4,630,349	4,622,606	4,616,363	4,569,909	4,566,159	4,560,050	4,557,898	4,563,415	4,571,161	55,212,359
c. Total Jurisdictional ECRC Costs	6,937,811	6,572,719	6,363,520	6,404,487	7,213,341	7,194,596	6,790,355	6,550,341	6,888,107	6,558,653	6,693,391	6,306,692	80,474,013
5. Over/Under Recovery (Line 3 - Line 4c)	(545,073)	(545,777)	(209,316)	421,575	36,957	763,301	1,302,426	1,447,778	1,320,713	922,152	(296,478)	(88,995)	4,529,263
6. Interest Provision (Form 42-3E, Line 10)	347	244	154	78	55	35	191	629	926	1,340	1,318	693	6,010
7. Beginning Balance True-Up & Interest Provision	8,892,748	7,606,960	6,320,365	5,370,141	5,050,732	4,346,682	4,368,956	4,930,511	5,637,856	6,218,433	6,400,863	5,364,641	8,892,748
a. Deferred True-Up from January to December 2014	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)	(3,915,636)
8. True-Up Collected/(Refunded) (see Line 2)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,062)	(741,066)	(8,892,748)
9. End of Period Total True-Up (Lines 5+6+7+7a+8)	3,691,324	2,404,729	1,454,505	1,135,096	431,046	453,320	1,014,875	1,722,220	2,302,797	2,485,227	1,449,005	619,637	619,637
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)	\$3,691,324	\$2,404,729	\$1,454,505	\$1,135,096	\$431,046	\$453,320	\$1,014,875	\$1,722,220	\$2,302,797	\$2,485,227	\$1,449,005	\$619,637	\$619,637

12

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

**Interest Provision**  
 (in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1. Beginning True-Up Amount (Form 42-2E, Line 7 + 7a + 10)	\$4,977,112	\$3,691,324	\$2,404,729	\$1,454,505	\$1,135,096	\$431,046	\$453,320	\$1,014,875	\$1,722,220	\$2,302,797	\$2,485,227	\$1,449,005	
2. Ending True-Up Amount Before Interest	3,690,977	2,404,485	1,454,351	1,135,018	430,991	453,285	1,014,684	1,721,591	2,301,871	2,483,887	1,447,687	618,944	
3. Total of Beginning & Ending True-Up (Lines 1 + 2)	8,668,089	6,095,809	3,859,080	2,589,523	1,566,087	884,331	1,468,004	2,736,466	4,024,091	4,786,684	3,932,914	2,067,949	
4. Average True-Up Amount (Line 3 x 1/2)	4,334,045	3,047,905	1,929,540	1,294,762	783,044	442,166	734,002	1,368,233	2,012,046	2,393,342	1,966,457	1,033,975	
5. Interest Rate (First Day of Reporting Business Month)	0.10%	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.55%	0.55%	0.55%	0.80%	0.80%	
6. Interest Rate (First Day of Subsequent Business Month)	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.55%	0.55%	0.55%	0.80%	0.80%	0.80%	
7. Total of Beginning & Ending Interest Rates (Lines 5 + 6)	0.20%	0.19%	0.18%	0.15%	0.16%	0.18%	0.63%	1.10%	1.10%	1.35%	1.60%	1.60%	
8. Average Interest Rate (Line 7 x 1/2)	0.100%	0.095%	0.090%	0.075%	0.080%	0.090%	0.315%	0.550%	0.550%	0.675%	0.800%	0.800%	
9. Monthly Average Interest Rate (Line 8 x 1/12)	0.008%	0.008%	0.008%	0.006%	0.007%	0.008%	0.026%	0.046%	0.046%	0.056%	0.067%	0.067%	
10. Interest Provision for the Month (Line 4 x Line 9)	\$347	\$244	\$154	\$78	\$55	\$35	\$191	\$629	\$926	\$1,340	\$1,318	\$693	\$6,010

**Tampa Electric Company**

Form 42 - 4E

Environmental Cost Recovery Clause (ECRC)  
Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

**Variance Report of O & M Activities**  
(In Dollars)

Line	(1)	(2)	(3)	(4)
	Actual/Estimated	Original Projection	Variance Amount	Percent
1.	Description of O&M Activities			
a.	\$5,607,172	\$6,245,680	(\$638,508)	-10.2%
b.	-	-	-	0.0%
c.	15,198	26,128	(10,930)	-41.8%
d.	8,789,921	10,189,162	(1,399,241)	-13.7%
e.	904,608	840,000	64,608	7.7%
f.	109,491	120,000	(10,509)	-8.8%
g.	34,500	34,500	-	0.0%
h.	-	-	-	0.0%
i.	10,321	20,000	(9,679)	-48.4%
j.	150,590	145,000	5,590	3.9%
k.	24,000	48,000	(24,000)	-50.0%
l.	128,649	138,000	(9,351)	-6.8%
m.	52,505	48,000	4,505	9.4%
n.	24,000	48,000	(24,000)	-50.0%
o.	370,652	960,000	(589,348)	-61.4%
p.	57,560	300,000	(242,440)	-80.8%
q.	2,347,505	2,164,529	182,976	8.5%
r.	1,878,619	2,499,555	(620,936)	-24.8%
s.	2,230,792	2,023,711	207,081	10.2%
t.	1,172,664	1,111,949	60,715	5.5%
u.	183,392	230,000	(46,608)	-20.3%
v.	97,411	90,000	7,411	8.2%
w.	1,072,105	1,284,000	(211,895)	-16.5%
2.	\$25,261,654	\$28,566,214	(\$3,304,559)	-11.6%
3.	\$24,798,943	\$27,271,714	(\$2,472,771)	-9.1%
4.	\$462,711	\$1,294,500	(\$831,788)	-64.3%

**Notes:**

- Column (1) is the End of Period Totals on Form 42-5E.
- Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-14-0643-FOF-EI.
- Column (3) = Column (1) - Column (2)
- Column (4) = Column (3) / Column (2)

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

**O&M Activities**  
(in Dollars)

Line	Actual	Actual	Actual	Actual	Actual	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	End of	Method of Classification	
	January	February	March	April	May	June	July	August	September	October	November	December	Total	Demand	Energy
1.	Description of O&M Activities														
a.	\$383,586	\$347,546	\$389,623	\$458,524	\$744,677	\$572,916	\$455,750	\$468,750	\$455,750	\$429,750	\$450,150	\$450,150	\$5,607,172		\$5,607,172
b.	0	0	0	0	0	0	0	0	0	0	0	0	0		0
c.	(144)	30	58	(130)	70	95	2,556	2,538	2,550	2,582	2,521	2,472	15,198		15,198
d.	459,746	727,708	657,506	813,413	1,043,833	1,090,810	816,904	578,823	900,672	661,765	747,290	291,451	8,789,921		8,789,921
e.	117,649	70,805	72,987	41,714	89,502	61,951	75,000	75,000	75,000	75,000	75,000	75,000	904,608		904,608
f.	3,371	2,402	5,048	31	10,320	28,319	0	0	30,000	30,000	0	0	109,491		109,491
g.	34,500	0	0	0	0	0	0	0	0	0	0	0	34,500	\$34,500	
h.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
i.	391.55	929.29	0	0	0	0	1,500	1,500	1,500	1,500	1,500	1,500	10,321		10,321
j.	0	13,380	12,059	12,926	12,080	22,146	13,000	13,000	13,000	13,000	13,000	13,000	150,590		150,590
k.	0	0	0	0	0	0	4,000	4,000	4,000	4,000	4,000	4,000	24,000		24,000
l.	800	0	7,909	815	3,134	1,991	4,000	24,000	39,000	39,000	4,000	4,000	128,649		128,649
m.	0	5,828	6,423	12,725	0	3,528	4,000	4,000	4,000	4,000	4,000	4,000	52,505		52,505
n.	0	0	0	3,077	(3,077)	0	4,000	4,000	4,000	4,000	4,000	4,000	24,000		24,000
o.	0	2	8	642	0	10,000	40,000	80,000	80,000	80,000	80,000	80,000	370,652	370,652	
p.	62	(2,686)	55	46	38	45	0	60,000	0	0	0	0	57,560	57,560	
q.	256,300	307,333	253,181	148,925	200,385	260,894	221,115	172,617	45,000	50,610	210,170	220,976	2,347,505		2,347,505
r.	197,112	33,361	67,253	59,460	116,288	127,306	218,097	222,125	225,171	193,996	203,414	215,035	1,878,619		1,878,619
s.	469,047	105,551	47,859	98,352	214,801	255,010	176,668	180,045	182,448	191,832	137,914	171,265	2,230,792		2,230,792
t.	251,370	115,299	59,864	40,244	68,477	70,634	92,107	92,784	94,217	98,720	91,267	97,682	1,172,664		1,172,664
u.	0	203	49,311	5,152	247	10,229	31,750	11,000	21,750	31,000	11,750	11,000	183,392		183,392
v.	61	90,000	7,805	0	(455)	0	0	0	0	0	0	0	97,411		97,411
w.	102,943	102,884	85,284	78,220	90,415	72,359	90,000	90,000	90,000	90,000	90,000	90,000	1,072,105		1,072,105
2.	2,276,795	1,920,574.00	1,722,232	1,774,138	2,590,735.00	2,578,233	2,220,446	1,984,182	2,328,057	2,000,755	2,129,976	1,735,531	25,261,654	\$462,711	\$24,798,943
3.	2,242,233	1,923,258	1,722,170	1,773,450	2,590,697	2,578,188	2,210,446	1,944,182	2,188,057	1,920,755	2,049,976	1,655,531	24,798,943		
4.	34,562	(2,684)	62	688	38	45	10,000	40,000	140,000	80,000	80,000	80,000	462,711		
5.	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000		
6.	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000		
7.	2,242,233	1,923,258	1,722,170	1,773,450	2,590,697	2,578,188	2,210,446	1,944,182	2,188,057	1,920,755	2,049,976	1,655,531	24,798,943		
8.	34,562	(2,684)	62	688	38	45	10,000	40,000	140,000	80,000	80,000	80,000	462,711		
9.	\$2,276,795	\$1,920,574	\$1,722,232	\$1,774,138	\$2,590,735	\$2,578,233	\$2,220,446	\$1,984,182	\$2,328,057	\$2,000,755	\$2,129,976	\$1,735,531	\$25,261,654		

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

15

DOCKET NO. 150007-EI  
 ECRC 2015 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT NO. (PAR-2), DOCUMENT NO. 5, PAGE 1 OF 1

**Tampa Electric Company**

Form 42 - 6E

Environmental Cost Recovery Clause (ECRC)  
Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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

Line	(1) Actual/Estimated	(2) Original Projection	(3) Variance Amount	(4) Percent
1.	Description of Investment Projects			
a.	\$1,164,812	\$1,163,997	\$815	0.1%
b.	313,558	314,305	(747)	-0.2%
c.	63,363	63,588	(225)	-0.4%
d.	41,016	41,168	(152)	-0.4%
e.	67,457	67,712	(255)	-0.4%
f.	100,325	100,625	(300)	-0.3%
g.	72,408	72,634	(226)	-0.3%
h.	10,535	10,579	(44)	-0.4%
i.	7,284,957	7,503,897	(218,940)	-2.9%
j.	1,839,605	1,847,903	(8,298)	-0.4%
k.	608,606	611,733	(3,127)	-0.5%
l.	1,846,455	1,792,308	54,147	3.0%
m.	139,869	140,423	(554)	-0.4%
n.	243,592	244,659	(1,067)	-0.4%
o.	170,018	170,683	(665)	-0.4%
p.	161,262	161,919	(657)	-0.4%
q.	286,881	288,104	(1,223)	-0.4%
r.	9,703,343	9,741,516	(38,173)	-0.4%
s.	10,278,852	10,220,155	58,697	0.6%
t.	8,397,829	8,546,448	(148,619)	-1.7%
u.	6,392,540	6,404,385	(11,845)	-0.2%
v.	2,543,372	2,555,739	(12,367)	-0.5%
w.	981,575	971,990	9,585	1.0%
x.	(3,214)	(3,226)	12	-0.4%
y.	2,503,343	2,807,047	(303,704)	-10.8%
2.	\$55,212,359	\$55,840,291	(\$627,932)	-1.1%
3.	\$55,103,886	\$55,731,411	(\$627,525)	-1.1%
4.	\$108,473	\$108,880	(\$407)	-0.4%

**Notes:**

- Column (1) is the End of Period Totals on Form 42-7E.
- Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-14-0643-FOF-EI.
- Column (3) = Column (1) - Column (2)
- Column (4) = Column (3) / Column (2)

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

**Capital Investment Projects-Recoverable Costs**

(in Dollars)

Line	Description (A)	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total	Method of Classification Demand	Energy
1.	a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$98,209	\$98,182	\$98,078	\$97,932	\$97,806	\$97,649	\$96,584	\$96,433	\$96,279	\$96,096	\$95,887	\$95,677	\$1,164,812		\$1,164,812
	b. Big Bend Units 1 and 2 Flue Gas Conditioning	26,867	26,744	26,621	26,499	26,376	26,253	26,002	25,881	25,760	25,640	25,518	25,397	313,558		313,558
	c. Big Bend Unit 4 Continuous Emissions Monitors	5,395	5,378	5,361	5,343	5,326	5,308	5,252	5,235	5,217	5,200	5,182	5,166	63,363		63,363
	d. Big Bend Fuel Oil Tank # 1 Upgrade	3,490	3,479	3,468	3,458	3,446	3,436	3,399	3,389	3,379	3,368	3,357	3,347	41,016	\$41,016	
	e. Big Bend Fuel Oil Tank # 2 Upgrade	5,739	5,722	5,704	5,686	5,669	5,651	5,591	5,574	5,556	5,539	5,522	5,504	67,457	67,457	
	f. Big Bend Unit 1 Classifier Replacement	8,569	8,535	8,502	8,468	8,435	8,403	8,318	8,285	8,252	8,219	8,186	8,153	100,325		100,325
	g. Big Bend Unit 2 Classifier Replacement	6,179	6,156	6,134	6,111	6,088	6,065	6,003	5,980	5,957	5,934	5,912	5,889	72,408		72,408
	h. Big Bend Section 114 Mercury Testing Platform	894	892	889	887	885	883	873	871	869	866	864	862	10,535		10,535
	i. Big Bend Units 1 & 2 FGD	616,852	615,041	613,136	611,220	609,278	607,328	600,899	599,087	597,356	600,736	607,989	606,035	7,284,957		7,284,957
	j. Big Bend FGD Optimization and Utilization	155,884	155,540	155,196	154,852	154,508	154,164	152,426	152,086	151,747	151,407	151,068	150,727	1,839,605		1,839,605
	k. Big Bend NO <sub>x</sub> Emissions Reduction	51,404	51,326	51,248	51,171	51,094	51,016	50,416	50,339	50,263	50,186	50,110	50,033	608,606		608,606
	l. Big Bend PM Minimization and Monitoring	146,155	146,088	146,137	146,299	146,581	147,285	147,662	152,531	157,869	161,485	164,410	183,953	1,846,455		1,846,455
	m. Polk NO <sub>x</sub> Emissions Reduction	11,887	11,853	11,820	11,786	11,753	11,718	11,592	11,558	11,525	11,492	11,459	11,426	139,869		139,869
	n. Big Bend Unit 4 SOFA	20,656	20,607	20,558	20,509	20,462	20,413	20,184	20,136	20,089	20,042	19,993	19,945	243,592		243,592
	o. Big Bend Unit 1 Pre-SCR	14,453	14,412	14,369	14,328	14,286	14,244	14,091	14,050	14,008	13,967	13,926	13,884	170,018		170,018
	p. Big Bend Unit 2 Pre-SCR	13,697	13,660	13,623	13,586	13,549	13,511	13,364	13,328	13,291	13,254	13,218	13,181	161,262		161,262
	q. Big Bend Unit 3 Pre-SCR	24,341	24,281	24,220	24,160	24,099	24,039	23,773	23,713	23,653	23,593	23,534	23,475	286,881		286,881
	r. Big Bend Unit 1 SCR	824,713	822,364	820,015	817,666	815,317	812,968	804,181	801,862	799,543	797,224	794,904	792,586	9,703,343		9,703,343
	s. Big Bend Unit 2 SCR	866,209	865,801	863,548	861,273	861,839	862,777	853,698	851,425	849,188	846,951	844,726	842,499	10,278,852		10,278,852
	t. Big Bend Unit 3 SCR	713,051	711,170	709,289	707,408	705,527	703,646	695,932	694,075	692,218	688,504	686,647	684,790	8,397,829		8,397,829
	u. Big Bend Unit 4 SCR	540,292	538,957	537,643	536,348	535,033	533,698	529,399	530,954	529,594	528,234	526,874	525,514	6,392,540		6,392,540
	v. Big Bend FGD System Reliability	215,122	214,732	214,343	213,953	213,563	213,173	210,710	210,325	209,940	209,555	209,170	208,786	2,543,372		2,543,372
	w. Mercury Air Toxics Standards	81,509	81,364	81,231	81,171	81,655	82,767	81,882	81,723	81,561	81,399	81,237	81,075	981,575		981,575
	y. SO <sub>2</sub> Emissions Allowances (B)	(271)	(270)	(270)	(270)	(270)	(270)	(267)	(265)	(263)	(261)	(259)	(257)	(3,214)		(3,214)
	z. Big Bend Gypsum Storage Facility	209,720	210,131	210,425	210,505	210,301	210,238	207,945	207,586	207,201	206,816	206,430	206,045	2,503,343		2,503,343
2.	Total Investment Projects - Recoverable Costs	4,661,016	4,652,145	4,641,288	4,630,349	4,622,606	4,616,363	4,569,909	4,566,159	4,560,050	4,557,898	4,563,415	4,571,161	55,212,359	\$108,473	\$55,103,886
3.	Recoverable Costs Allocated to Energy	4,651,787	4,642,944	4,632,116	4,621,205	4,613,491	4,607,276	4,560,919	4,557,196	4,551,115	4,548,991	4,554,536	4,562,310	55,103,886		55,103,886
4.	Recoverable Costs Allocated to Demand	9,229	9,201	9,172	9,144	9,115	9,087	8,990	8,963	8,935	8,907	8,879	8,851	108,473	108,473	
5.	Retail Energy Jurisdictional Factor	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000		
6.	Retail Demand Jurisdictional Factor	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000	1,0000000		
7.	Jurisdictional Energy Recoverable Costs (C)	4,651,787	4,642,944	4,632,116	4,621,205	4,613,491	4,607,276	4,560,919	4,557,196	4,551,115	4,548,991	4,554,536	4,562,310	55,103,886		
8.	Jurisdictional Demand Recoverable Costs (D)	9,229	9,201	9,172	9,144	9,115	9,087	8,990	8,963	8,935	8,907	8,879	8,851	108,473		
9.	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 + 8)	\$4,661,016	\$4,652,145	\$4,641,288	\$4,630,349	\$4,622,606	\$4,616,363	\$4,569,909	\$4,566,159	\$4,560,050	\$4,557,898	\$4,563,415	\$4,571,161	\$55,212,359		

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

17

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 1 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$27,809	\$21,113	\$7,639	\$9,849	\$13,142	\$1,349	\$8,955	\$7,060	\$7,575	\$0	\$0	\$0	\$104,491
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	321,633	321,633
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)	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,435,775	\$13,757,409	
3.	Less: Accumulated Depreciation	(4,412,355)	(4,440,346)	(4,468,337)	(4,496,328)	(4,524,319)	(4,552,310)	(4,580,301)	(4,608,292)	(4,636,283)	(4,664,274)	(4,692,265)	(4,720,256)	(4,748,247)	
4.	CWIP - Non-Interest Bearing	217,142	244,951	266,063	273,702	283,552	296,694	298,043	306,998	314,058	321,633	321,633	321,633	(0)	
5.	Net Investment (Lines 2 + 3 + 4)	\$9,240,561	9,240,379	9,233,501	9,213,149	9,195,007	9,180,158	9,153,517	9,134,481	9,113,550	9,093,134	9,065,143	9,037,152	9,009,162	
6.	Average Net Investment		9,240,470	9,236,940	9,223,325	9,204,078	9,187,583	9,166,838	9,143,999	9,124,015	9,103,342	9,079,138	9,051,147	9,023,157	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$54,553	\$54,532	\$54,451	\$54,338	\$54,240	\$54,118	\$53,755	\$53,637	\$53,516	\$53,373	\$53,209	\$53,044	\$646,766
b.	Debt Component Grossed Up For Taxes (C)		15,665	15,659	15,636	15,603	15,575	15,540	14,838	14,805	14,772	14,732	14,687	14,642	182,154
8.	Investment Expenses														
a.	Depreciation (D)		\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$27,991	\$335,892
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)		98,209	98,182	98,078	97,932	97,806	97,649	96,584	96,433	96,279	96,096	95,887	95,677	1,164,812
a.	Recoverable Costs Allocated to Energy		98,209	98,182	98,078	97,932	97,806	97,649	96,584	96,433	96,279	96,096	95,887	95,677	1,164,812
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		98,209	98,182	98,078	97,932	97,806	97,649	96,584	96,433	96,279	96,096	95,887	95,677	1,164,812
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)		\$98,209	\$98,182	\$98,078	\$97,932	\$97,806	\$97,649	\$96,584	\$96,433	\$96,279	\$96,096	\$95,887	\$95,677	\$1,164,812

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.45
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 2.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

18

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	
3.	Less: Accumulated Depreciation	(3,598,202)	(3,614,343)	(3,630,484)	(3,646,625)	(3,662,766)	(3,678,907)	(3,695,048)	(3,711,189)	(3,727,330)	(3,743,471)	(3,759,612)	(3,775,753)	(3,791,894)	
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)	\$1,419,532	1,403,391	1,387,250	1,371,109	1,354,968	1,338,827	1,322,686	1,306,545	1,290,404	1,274,263	1,258,122	1,241,981	1,225,840	
6.	Average Net Investment		1,411,462	1,395,321	1,379,180	1,363,039	1,346,898	1,330,757	1,314,616	1,298,475	1,282,334	1,266,193	1,250,052	1,233,911	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$8,333	\$8,238	\$8,142	\$8,047	\$7,952	\$7,856	\$7,728	\$7,633	\$7,538	\$7,444	\$7,349	\$7,254	\$93,514
b.	Debt Component Grossed Up For Taxes (C)		2,393	2,365	2,338	2,311	2,283	2,256	2,133	2,107	2,081	2,055	2,028	2,002	26,352
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)		26,867	26,744	26,621	26,499	26,376	26,253	26,002	25,881	25,760	25,640	25,518	25,397	313,558
a.	Recoverable Costs Allocated to Energy		26,867	26,744	26,621	26,499	26,376	26,253	26,002	25,881	25,760	25,640	25,518	25,397	313,558
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		26,867	26,744	26,621	26,499	26,376	26,253	26,002	25,881	25,760	25,640	25,518	25,397	313,558
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)		\$26,867	\$26,744	\$26,621	\$26,499	\$26,376	\$26,253	\$26,002	\$25,881	\$25,760	\$25,640	\$25,518	\$25,397	\$313,558

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$2,676,217) and 312.42 (\$2,341,517)
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rates are 4.0% and 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 3 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	\$866,211
3.	Less: Accumulated Depreciation	(459,005)	(461,315)	(463,625)	(465,935)	(468,245)	(470,555)	(472,865)	(475,175)	(477,485)	(479,795)	(482,105)	(484,415)	(486,725)	(486,725)
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)	\$407,206	404,896	402,586	400,276	397,966	395,656	393,346	391,036	388,726	386,416	384,106	381,796	379,486	
6.	Average Net Investment		406,051	403,741	401,431	399,121	396,811	394,501	392,191	389,881	387,571	385,261	382,951	380,641	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$2,397	\$2,384	\$2,370	\$2,356	\$2,343	\$2,329	\$2,306	\$2,292	\$2,278	\$2,265	\$2,251	\$2,238	\$27,809
b.	Debt Component Grossed Up For Taxes (C)		688	684	681	677	673	669	636	633	629	625	621	618	7,834
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)		5,395	5,378	5,361	5,343	5,326	5,308	5,252	5,235	5,217	5,200	5,182	5,166	63,363
a.	Recoverable Costs Allocated to Energy		5,395	5,378	5,361	5,343	5,326	5,308	5,252	5,235	5,217	5,200	5,182	5,166	63,363
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		5,395	5,378	5,361	5,343	5,326	5,308	5,252	5,235	5,217	5,200	5,182	5,166	63,363
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)		\$5,395	\$5,378	\$5,361	\$5,343	\$5,326	\$5,308	\$5,252	\$5,235	\$5,217	\$5,200	\$5,182	\$5,166	\$63,363

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 315.44
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.2%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

20

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	\$497,578
3.	Less: Accumulated Depreciation	(223,192)	(224,602)	(226,012)	(227,422)	(228,832)	(230,242)	(231,652)	(233,062)	(234,472)	(235,882)	(237,292)	(238,702)	(240,112)	(240,112)
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)	\$274,386	272,976	271,566	270,156	268,746	267,336	265,926	264,516	263,106	261,696	260,286	258,876	257,466	
6.	Average Net Investment		273,681	272,271	270,861	269,451	268,041	266,631	265,221	263,811	262,401	260,991	259,581	258,171	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$1,616	\$1,607	\$1,599	\$1,591	\$1,582	\$1,574	\$1,559	\$1,551	\$1,543	\$1,534	\$1,526	\$1,518	\$18,800
b.	Debt Component Grossed Up For Taxes (C)		464	462	459	457	454	452	430	428	426	424	421	419	5,296
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)		3,490	3,479	3,468	3,458	3,446	3,436	3,399	3,389	3,379	3,368	3,357	3,347	41,016
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		3,490	3,479	3,468	3,458	3,446	3,436	3,399	3,389	3,379	3,368	3,357	3,347	41,016
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	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)		3,490	3,479	3,468	3,458	3,446	3,436	3,399	3,389	3,379	3,368	3,357	3,347	41,016
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$3,490	\$3,479	\$3,468	\$3,458	\$3,446	\$3,436	\$3,399	\$3,389	\$3,379	\$3,368	\$3,357	\$3,347	\$41,016

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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 the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 5 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(367,108)	(369,427)	(371,746)	(374,065)	(376,384)	(378,703)	(381,022)	(383,341)	(385,660)	(387,979)	(390,298)	(392,617)	(394,936)	
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)	\$451,293	448,974	446,655	444,336	442,017	439,698	437,379	435,060	432,741	430,422	428,103	425,784	423,465	
6.	Average Net Investment		450,134	447,815	445,496	443,177	440,858	438,539	436,220	433,901	431,582	429,263	426,944	424,625	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$2,657	\$2,644	\$2,630	\$2,616	\$2,603	\$2,589	\$2,564	\$2,551	\$2,537	\$2,523	\$2,510	\$2,496	\$30,920
b.	Debt Component Grossed Up For Taxes (C)		763	759	755	751	747	743	708	704	700	697	693	689	8,709
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)		5,739	5,722	5,704	5,686	5,669	5,651	5,591	5,574	5,556	5,539	5,522	5,504	67,457
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		5,739	5,722	5,704	5,686	5,669	5,651	5,591	5,574	5,556	5,539	5,522	5,504	67,457
10.	Energy Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	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)		5,739	5,722	5,704	5,686	5,669	5,651	5,591	5,574	5,556	5,539	5,522	5,504	67,457
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$5,739	\$5,722	\$5,704	\$5,686	\$5,669	\$5,651	\$5,591	\$5,574	\$5,556	\$5,539	\$5,522	\$5,504	\$67,457

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

22

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	
3.	Less: Accumulated Depreciation	(763,880)	(768,268)	(772,656)	(777,044)	(781,432)	(785,820)	(790,208)	(794,596)	(798,984)	(803,372)	(807,760)	(812,148)	(816,536)	
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)	\$552,377	547,989	543,601	539,213	534,825	530,437	526,049	521,661	517,273	512,885	508,497	504,109	499,721	
6.	Average Net Investment		550,183	545,795	541,407	537,019	532,631	528,243	523,855	519,467	515,079	510,691	506,303	501,915	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$3,248	\$3,222	\$3,196	\$3,170	\$3,144	\$3,119	\$3,080	\$3,054	\$3,028	\$3,002	\$2,976	\$2,951	\$37,190
b.	Debt Component Grossed Up For Taxes (C)		933	925	918	910	903	896	850	843	836	829	822	814	10,479
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)		8,569	8,535	8,502	8,468	8,435	8,403	8,318	8,285	8,252	8,219	8,186	8,153	100,325
a.	Recoverable Costs Allocated to Energy		8,569	8,535	8,502	8,468	8,435	8,403	8,318	8,285	8,252	8,219	8,186	8,153	100,325
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		8,569	8,535	8,502	8,468	8,435	8,403	8,318	8,285	8,252	8,219	8,186	8,153	100,325
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)		\$8,569	\$8,535	\$8,502	\$8,468	\$8,435	\$8,403	\$8,318	\$8,285	\$8,252	\$8,219	\$8,186	\$8,153	\$100,325

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 4.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

23

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 7 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(569,574)	(572,610)	(575,646)	(578,682)	(581,718)	(584,754)	(587,790)	(590,826)	(593,862)	(596,898)	(599,934)	(602,970)	(606,006)	
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)	\$415,220	412,184	409,148	406,112	403,076	400,040	397,004	393,968	390,932	387,896	384,860	381,824	378,788	
6.	Average Net Investment		413,702	410,666	407,630	404,594	401,558	398,522	395,486	392,450	389,414	386,378	383,342	380,306	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$2,442	\$2,424	\$2,407	\$2,389	\$2,371	\$2,353	\$2,325	\$2,307	\$2,289	\$2,271	\$2,254	\$2,236	\$28,068
b.	Debt Component Grossed Up For Taxes (C)		701	696	691	686	681	676	642	637	632	627	622	617	7,908
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)		6,179	6,156	6,134	6,111	6,088	6,065	6,003	5,980	5,957	5,934	5,912	5,889	72,408
a.	Recoverable Costs Allocated to Energy		6,179	6,156	6,134	6,111	6,088	6,065	6,003	5,980	5,957	5,934	5,912	5,889	72,408
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		6,179	6,156	6,134	6,111	6,088	6,065	6,003	5,980	5,957	5,934	5,912	5,889	72,408
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)		\$6,179	\$6,156	\$6,134	\$6,111	\$6,088	\$6,065	\$6,003	\$5,980	\$5,957	\$5,934	\$5,912	\$5,889	\$72,408

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

24

**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(41,395)	(41,687)	(41,979)	(42,271)	(42,563)	(42,855)	(43,147)	(43,439)	(43,731)	(44,023)	(44,315)	(44,607)	(44,899)	
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)	\$79,342	79,050	78,758	78,466	78,174	77,882	77,590	77,298	77,006	76,714	76,422	76,130	75,838	
6.	Average Net Investment		79,196	78,904	78,612	78,320	78,028	77,736	77,444	77,152	76,860	76,568	76,276	75,984	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		468	\$466	\$464	\$462	\$461	\$459	\$455	\$454	\$452	\$450	\$448	\$447	\$5,486
b.	Debt Component Grossed Up For Taxes (C)		134	134	133	133	132	132	126	125	125	124	124	123	1,545
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)		894	892	889	887	885	883	873	871	869	866	864	862	10,535
a.	Recoverable Costs Allocated to Energy		894	892	889	887	885	883	873	871	869	866	864	862	10,535
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		894	892	889	887	885	883	873	871	869	866	864	862	10,535
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)		\$894	\$892	\$889	\$887	\$885	\$883	\$873	\$871	\$869	\$866	\$864	\$862	\$10,535

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.40
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 2.9%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$18,518	\$4,309	\$4,218	\$734	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$57,779
b.	Clearings to Plant		18,518	4,309	4,218	734	0	0	0	30,000	0	1,414,244	0	0	1,472,023
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		86,773	55,920	46,371	41,112	34,814	20,861	40,007	61,958	16,277	3,226	0	0	407,319
2.	Plant-in-Service/Depreciation Base (A)	\$93,268,465	\$93,286,983	\$93,291,292	\$93,295,511	\$93,296,244	\$93,296,244	\$93,296,244	\$93,296,244	\$93,326,244	\$93,326,244	\$94,740,488	\$94,740,488	\$94,740,488	
3.	Less: Accumulated Depreciation	(45,726,366)	(45,982,854)	(46,239,393)	(46,495,944)	(46,752,507)	(47,009,072)	(47,265,637)	(47,522,202)	(47,778,767)	(48,035,414)	(48,292,061)	(48,552,597)	(48,813,133)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	734	734	734	734	734	734	733	733	733	
5.	Net Investment (Lines 2 + 3 + 4)	\$47,542,099	47,304,130	47,051,900	46,799,567	46,544,471	46,287,906	46,031,341	45,774,776	45,548,211	45,291,564	46,449,161	46,188,625	45,928,089	
6.	Average Net Investment		47,423,115	47,178,015	46,925,733	46,672,019	46,416,189	46,159,624	45,903,059	45,661,494	45,419,888	45,870,362	46,318,893	46,058,357	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$279,970	\$278,523	\$277,034	\$275,536	\$274,026	\$272,511	\$269,849	\$268,429	\$267,008	\$269,657	\$272,293	\$270,762	\$3,275,598
b.	Debt Component Grossed Up For Taxes (C)		80,394	79,979	79,551	79,121	78,687	78,252	74,485	74,093	73,701	74,432	75,160	74,737	922,592
8.	Investment Expenses														
a.	Depreciation (D)		\$256,488	\$256,539	\$256,551	\$256,563	\$256,565	\$256,565	\$256,565	\$256,565	\$256,647	\$256,647	\$260,536	\$260,536	\$3,086,767
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)		616,852	615,041	613,136	611,220	609,278	607,328	600,899	599,087	597,356	600,736	607,989	606,035	7,284,957
a.	Recoverable Costs Allocated to Energy		616,852	615,041	613,136	611,220	609,278	607,328	600,899	599,087	597,356	600,736	607,989	606,035	7,284,957
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		616,852	615,041	613,136	611,220	609,278	607,328	600,899	599,087	597,356	600,736	607,989	606,035	7,284,957
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)		\$616,852	\$615,041	\$613,136	\$611,220	\$609,278	\$607,328	\$600,899	\$599,087	\$597,356	\$600,736	\$607,989	\$606,035	\$7,284,957

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.46
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rates are 3.3%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(7,161,061)	(7,206,335)	(7,251,609)	(7,296,883)	(7,342,157)	(7,387,431)	(7,432,705)	(7,477,979)	(7,523,253)	(7,568,527)	(7,613,801)	(7,659,075)	(7,704,349)	
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)	\$14,578,676	14,533,402	14,488,128	14,442,854	14,397,580	14,352,306	14,307,032	14,261,758	14,216,484	14,171,210	14,125,936	14,080,662	14,035,388	
6.	Average Net Investment		14,556,039	14,510,765	14,465,491	14,420,217	14,374,943	14,329,669	14,284,395	14,239,121	14,193,847	14,148,573	14,103,299	14,058,025	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		\$85,934	\$85,667	\$85,399	\$85,132	\$84,865	\$84,598	\$83,973	\$83,707	\$83,441	\$83,175	\$82,909	\$82,642	\$1,011,442
	b. Debt Component Grossed Up For Taxes (C)		24,676	24,599	24,523	24,446	24,369	24,292	23,179	23,105	23,032	22,958	22,885	22,811	284,875
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)		155,884	155,540	155,196	154,852	154,508	154,164	152,426	152,086	151,747	151,407	151,068	150,727	1,839,605
	a. Recoverable Costs Allocated to Energy		155,884	155,540	155,196	154,852	154,508	154,164	152,426	152,086	151,747	151,407	151,068	150,727	1,839,605
	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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		155,884	155,540	155,196	154,852	154,508	154,164	152,426	152,086	151,747	151,407	151,068	150,727	1,839,605
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)		\$155,884	\$155,540	\$155,196	\$154,852	\$154,508	\$154,164	\$152,426	\$152,086	\$151,747	\$151,407	\$151,068	\$150,727	\$1,839,605

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$21,699,919) and 311.45 (\$39,818)
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

27

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 11 of 25

Return on Capital Investments, Depreciation and Taxes  
 For Project: Big Bend NO<sub>x</sub> Emissions Reduction  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Actual November	Estimate 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	2,238,603	2,228,419	2,218,235	2,208,051	2,197,867	2,187,683	2,177,499	2,167,315	2,157,131	2,146,947	2,136,763	2,126,579	2,116,395	
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)	\$5,429,455	5,419,271	5,409,087	5,398,903	5,388,719	5,378,535	5,368,351	5,358,167	5,347,983	5,337,799	5,327,615	5,317,431	5,307,247	
6.	Average Net Investment		5,424,363	5,414,179	5,403,995	5,393,811	5,383,627	5,373,443	5,363,259	5,353,075	5,342,891	5,332,707	5,322,523	5,312,339	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$32,024	\$31,964	\$31,903	\$31,843	\$31,783	\$31,723	\$31,529	\$31,469	\$31,409	\$31,349	\$31,289	\$31,229	\$379,514
b.	Debt Component Grossed Up For Taxes (C)		9,196	9,178	9,161	9,144	9,127	9,109	8,703	8,686	8,670	8,653	8,637	8,620	106,884
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)		51,404	51,326	51,248	51,171	51,094	51,016	50,416	50,339	50,263	50,186	50,110	50,033	608,606
a.	Recoverable Costs Allocated to Energy		51,404	51,326	51,248	51,171	51,094	51,016	50,416	50,339	50,263	50,186	50,110	50,033	608,606
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		51,404	51,326	51,248	51,171	51,094	51,016	50,416	50,339	50,263	50,186	50,110	50,033	608,606
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)		\$51,404	\$51,326	\$51,248	\$51,171	\$51,094	\$51,016	\$50,416	\$50,339	\$50,263	\$50,186	\$50,110	\$50,033	\$608,606

**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 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

28

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 12 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
	a. Expenditures/Additions		\$8,148	\$67,250	\$38,405	\$97,254	\$70,112	\$207,934	\$330,506	\$1,060,706	\$455,686	\$601,171	\$271,826	\$1,528,574	\$4,737,571
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	3,956,528	1,528,574	5,485,102
	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)	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$15,439,547	\$19,396,076	\$20,924,650	
3.	Less: Accumulated Depreciation	(3,050,638)	(3,097,116)	(3,143,594)	(3,190,072)	(3,236,550)	(3,283,028)	(3,329,506)	(3,375,984)	(3,422,462)	(3,468,940)	(3,515,418)	(3,561,896)	(3,621,563)	
4.	CWIP - Non-Interest Bearing	747,531	755,679	822,929	861,334	958,587	1,028,699	1,236,634	1,567,140	2,627,846	3,083,532	3,684,703	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$13,136,441	13,098,110	13,118,882	13,110,809	13,161,585	13,185,218	13,346,675	13,630,703	14,644,931	15,054,139	15,608,832	15,834,180	17,303,087	
6.	Average Net Investment		13,117,275	13,108,496	13,114,845	13,136,197	13,173,402	13,265,947	13,488,689	14,137,817	14,849,535	15,331,485	15,721,506	16,568,633	
7.	Return on Average Net Investment														
	a. Equity Component Grossed Up For Taxes (B)		\$77,440	\$77,388	\$77,426	\$77,552	\$77,771	\$78,318	\$79,296	\$83,112	\$87,295	\$90,129	\$92,421	\$97,401	\$995,549
	b. Debt Component Grossed Up For Taxes (C)		22,237	22,222	22,233	22,269	22,332	22,489	21,888	22,941	24,096	24,878	25,511	26,885	279,981
8.	Investment Expenses														
	a. Depreciation (D)		\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$46,478	\$59,667	\$570,925
	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)		146,155	146,088	146,137	146,299	146,581	147,285	147,662	152,531	157,869	161,485	164,410	183,953	1,846,455
	a. Recoverable Costs Allocated to Energy		146,155	146,088	146,137	146,299	146,581	147,285	147,662	152,531	157,869	161,485	164,410	183,953	1,846,455
	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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		146,155	146,088	146,137	146,299	146,581	147,285	147,662	152,531	157,869	161,485	164,410	183,953	1,846,455
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)		\$146,155	\$146,088	\$146,137	\$146,299	\$146,581	\$147,285	\$147,662	\$152,531	\$157,869	\$161,485	\$164,410	\$183,953	\$1,846,455

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$6,998,365), 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 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

29

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 13 of 25

Return on Capital Investments, Depreciation and Taxes  
 For Project: Polk NO<sub>x</sub> Emissions Reduction  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	
3.	Less: Accumulated Depreciation	(577,146)	(581,570)	(585,994)	(590,418)	(594,842)	(599,266)	(603,690)	(608,114)	(612,538)	(616,962)	(621,386)	(625,810)	(630,234)	
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)	\$984,327	979,903	975,479	971,055	966,631	962,207	957,783	953,359	948,935	944,511	940,087	935,663	931,239	
6.	Average Net Investment		982,115	977,691	973,267	968,843	964,419	959,995	955,571	951,147	946,723	942,299	937,875	933,451	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$5,798	\$5,772	\$5,746	\$5,720	\$5,694	\$5,667	\$5,617	\$5,591	\$5,565	\$5,539	\$5,513	\$5,487	\$67,709
b.	Debt Component Grossed Up For Taxes (C)		1,665	1,657	1,650	1,642	1,635	1,627	1,551	1,543	1,536	1,529	1,522	1,515	19,072
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)		11,887	11,853	11,820	11,786	11,753	11,718	11,592	11,558	11,525	11,492	11,459	11,426	139,869
a.	Recoverable Costs Allocated to Energy		11,887	11,853	11,820	11,786	11,753	11,718	11,592	11,558	11,525	11,492	11,459	11,426	139,869
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		11,887	11,853	11,820	11,786	11,753	11,718	11,592	11,558	11,525	11,492	11,459	11,426	139,869
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)		\$11,887	\$11,853	\$11,820	\$11,786	\$11,753	\$11,718	\$11,592	\$11,558	\$11,525	\$11,492	\$11,459	\$11,426	\$139,869

**Notes:**

- (A) Applicable depreciable base for Polk; account 342.81
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

30

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(679,142)	(685,539)	(691,936)	(698,333)	(704,730)	(711,127)	(717,524)	(723,921)	(730,318)	(736,715)	(743,112)	(749,509)	(755,906)	
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)	\$1,879,588	1,873,191	1,866,794	1,860,397	1,854,000	1,847,603	1,841,206	1,834,809	1,828,412	1,822,015	1,815,618	1,809,221	1,802,824	
6.	Average Net Investment		1,876,390	1,869,993	1,863,596	1,857,199	1,850,802	1,844,405	1,838,008	1,831,611	1,825,214	1,818,817	1,812,420	1,806,023	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$11,078	\$11,040	\$11,002	\$10,964	\$10,927	\$10,889	\$10,805	\$10,767	\$10,730	\$10,692	\$10,655	\$10,617	\$130,166
b.	Debt Component Grossed Up For Taxes (C)		3,181	3,170	3,159	3,148	3,138	3,127	2,982	2,972	2,962	2,951	2,941	2,931	36,662
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)		20,656	20,607	20,558	20,509	20,462	20,413	20,184	20,136	20,089	20,040	19,993	19,945	243,592
a.	Recoverable Costs Allocated to Energy		20,656	20,607	20,558	20,509	20,462	20,413	20,184	20,136	20,089	20,040	19,993	19,945	243,592
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		20,656	20,607	20,558	20,509	20,462	20,413	20,184	20,136	20,089	20,040	19,993	19,945	243,592
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)		\$20,656	\$20,607	\$20,558	\$20,509	\$20,462	\$20,413	\$20,184	\$20,136	\$20,089	\$20,040	\$19,993	\$19,945	\$243,592

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.44
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 15 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	
3.	Less: Accumulated Depreciation	(467,737)	(473,234)	(478,731)	(484,228)	(489,725)	(495,222)	(500,719)	(506,216)	(511,713)	(517,210)	(522,707)	(528,204)	(533,701)	
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)	\$1,181,384	1,175,887	1,170,390	1,164,893	1,159,396	1,153,899	1,148,402	1,142,905	1,137,408	1,131,911	1,126,414	1,120,917	1,115,420	
6.	Average Net Investment		1,178,636	1,173,139	1,167,642	1,162,145	1,156,648	1,151,151	1,145,654	1,140,157	1,134,660	1,129,163	1,123,666	1,118,169	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$6,958	\$6,926	\$6,893	\$6,861	\$6,828	\$6,796	\$6,735	\$6,703	\$6,670	\$6,638	\$6,606	\$6,573	\$81,187
b.	Debt Component Grossed Up For Taxes (C)		1,998	1,989	1,979	1,970	1,961	1,951	1,859	1,850	1,841	1,832	1,823	1,814	22,867
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)		14,453	14,412	14,369	14,328	14,286	14,244	14,091	14,050	14,008	13,967	13,926	13,884	170,018
a.	Recoverable Costs Allocated to Energy		14,453	14,412	14,369	14,328	14,286	14,244	14,091	14,050	14,008	13,967	13,926	13,884	170,018
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		14,453	14,412	14,369	14,328	14,286	14,244	14,091	14,050	14,008	13,967	13,926	13,884	170,018
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)		\$14,453	\$14,412	\$14,369	\$14,328	\$14,286	\$14,244	\$14,091	\$14,050	\$14,008	\$13,967	\$13,926	\$13,884	\$170,018

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 4.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

32

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 16 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	(418,748)	(423,625)	(428,502)	(433,379)	(438,256)	(443,133)	(448,010)	(452,887)	(457,764)	(462,641)	(467,518)	(472,395)	(477,272)	
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)	\$1,163,139	1,158,262	1,153,385	1,148,508	1,143,631	1,138,754	1,133,877	1,129,000	1,124,123	1,119,246	1,114,369	1,109,492	1,104,615	
6.	Average Net Investment		1,160,701	1,155,824	1,150,947	1,146,070	1,141,193	1,136,316	1,131,439	1,126,562	1,121,685	1,116,808	1,111,931	1,107,054	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$6,852	\$6,824	\$6,795	\$6,766	\$6,737	\$6,708	\$6,651	\$6,623	\$6,594	\$6,565	\$6,537	\$6,508	\$80,160
b.	Debt Component Grossed Up For Taxes (C)		1,968	1,959	1,951	1,943	1,935	1,926	1,836	1,828	1,820	1,812	1,804	1,796	22,578
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)		13,697	13,660	13,623	13,586	13,549	13,511	13,364	13,328	13,291	13,254	13,218	13,181	161,262
a.	Recoverable Costs Allocated to Energy		13,697	13,660	13,623	13,586	13,549	13,511	13,364	13,328	13,291	13,254	13,218	13,181	161,262
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		13,697	13,660	13,623	13,586	13,549	13,511	13,364	13,328	13,291	13,254	13,218	13,181	161,262
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)		\$13,697	\$13,660	\$13,623	\$13,586	\$13,549	\$13,511	\$13,364	\$13,328	\$13,291	\$13,254	\$13,218	\$13,181	\$161,262

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

33

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 17 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	
3.	Less: Accumulated Depreciation	(545,894)	(553,847)	(561,800)	(569,753)	(577,706)	(585,659)	(593,612)	(601,565)	(609,518)	(617,471)	(625,424)	(633,377)	(641,330)	
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)	\$2,160,613	2,152,660	2,144,707	2,136,754	2,128,801	2,120,848	2,112,895	2,104,942	2,096,989	2,089,036	2,081,083	2,073,130	2,065,177	
6.	Average Net Investment		2,156,637	2,148,684	2,140,731	2,132,778	2,124,825	2,116,872	2,108,919	2,100,966	2,093,013	2,085,060	2,077,107	2,069,154	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$12,732	\$12,685	\$12,638	\$12,591	\$12,544	\$12,497	\$12,398	\$12,351	\$12,304	\$12,257	\$12,211	\$12,164	\$149,372
b.	Debt Component Grossed Up For Taxes (C)		3,656	3,643	3,629	3,616	3,602	3,589	3,422	3,409	3,396	3,383	3,370	3,358	42,073
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)		24,341	24,281	24,220	24,160	24,099	24,039	23,773	23,713	23,653	23,593	23,534	23,475	286,881
a.	Recoverable Costs Allocated to Energy		24,341	24,281	24,220	24,160	24,099	24,039	23,773	23,713	23,653	23,593	23,534	23,475	286,881
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		24,341	24,281	24,220	24,160	24,099	24,039	23,773	23,713	23,653	23,593	23,534	23,475	286,881
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)		\$24,341	\$24,281	\$24,220	\$24,160	\$24,099	\$24,039	\$23,773	\$23,713	\$23,653	\$23,593	\$23,534	\$23,475	\$286,881

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.43 (\$1,995,677) and 315.43 (\$710,830)
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 18 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$322	\$0	\$0	\$0	\$0	\$0	\$0	\$322
b.	Clearings to Plant		0	0	0	0	0	322	0	0	0	0	0	0	322
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	\$85,719,423	\$85,719,423	\$85,719,423	\$85,719,423	\$85,719,423	\$85,719,423	\$85,719,423	\$85,719,423
3.	Less: Accumulated Depreciation	(17,719,658)	(18,028,824)	(18,337,990)	(18,647,156)	(18,956,322)	(19,265,488)	(19,574,654)	(19,883,821)	(20,192,988)	(20,502,155)	(20,811,322)	(21,120,489)	(21,429,656)	
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)	\$67,999,444	67,690,278	67,381,112	67,071,946	66,762,780	66,453,614	66,144,769	65,835,602	65,526,435	65,217,268	64,908,101	64,598,934	64,289,767	
6.	Average Net Investment		67,844,861	67,535,695	67,226,529	66,917,363	66,608,197	66,299,192	65,990,186	65,681,019	65,371,852	65,062,685	64,753,518	64,444,351	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$400,533	\$398,708	\$396,883	\$395,058	\$393,233	\$391,408	\$387,934	\$386,117	\$384,299	\$382,482	\$380,664	\$378,847	\$4,676,166
b.	Debt Component Grossed Up For Taxes (C)		115,014	114,490	113,966	113,442	112,918	112,394	107,080	106,578	106,077	105,575	105,073	104,572	1,317,179
8.	Investment Expenses														
a.	Depreciation (D)		\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,166	\$309,167	\$309,167	\$309,167	\$309,167	\$309,167	\$309,167	\$3,709,998
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)		824,713	822,364	820,015	817,666	815,317	812,968	804,181	801,862	799,543	797,224	794,904	792,586	9,703,343
a.	Recoverable Costs Allocated to Energy		824,713	822,364	820,015	817,666	815,317	812,968	804,181	801,862	799,543	797,224	794,904	792,586	9,703,343
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		824,713	822,364	820,015	817,666	815,317	812,968	804,181	801,862	799,543	797,224	794,904	792,586	9,703,343
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)		\$824,713	\$822,364	\$820,015	\$817,666	\$815,317	\$812,968	\$804,181	\$801,862	\$799,543	\$797,224	\$794,904	\$792,586	\$9,703,343

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.51 (\$22,278,982), 312.51 (\$48,529,993), 315.51 (\$14,063,245), and 316.51 (\$847,203).
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

35

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

Form 42-8E  
 Page 19 of 25

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$489,244	\$9,719	\$3,840	\$3,289	\$752,190	\$101,256	\$240	\$0	\$10,000	\$0	\$0	\$0	\$1,369,777
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	1,369,777	0	0	1,369,777
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)	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$93,776,097	\$95,145,874	\$95,145,874	\$95,145,874	
3.	Less: Accumulated Depreciation	(19,774,484)	(20,077,654)	(20,380,824)	(20,683,994)	(20,987,164)	(21,290,334)	(21,593,504)	(21,896,674)	(22,199,844)	(22,503,014)	(22,806,184)	(23,113,920)	(23,421,656)	
4.	CWIP - Non-Interest Bearing	0	489,244	498,964	502,803	506,092	1,258,282	1,359,537	1,359,777	1,359,777	1,369,777	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$74,001,613	74,187,687	73,894,236	73,594,906	73,295,025	73,744,044	73,542,130	73,239,200	72,936,030	72,642,860	72,339,690	72,031,954	71,724,218	
6.	Average Net Investment		74,094,650	74,040,962	73,744,571	73,444,965	73,519,534	73,643,087	73,390,665	73,087,615	72,789,445	72,491,275	72,185,822	71,878,086	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$437,430	\$437,113	\$435,363	\$433,595	\$434,035	\$434,764	\$431,439	\$429,658	\$427,905	\$426,152	\$424,356	\$422,547	\$5,174,357
b.	Debt Component Grossed Up For Taxes (C)		125,609	125,518	125,015	124,508	124,634	124,843	119,089	118,597	118,113	117,629	117,134	116,634	1,457,323
8.	Investment Expenses														
a.	Depreciation (D)		\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$303,170	\$307,736	\$307,736	\$3,647,172
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)		866,209	865,801	863,548	861,273	861,839	862,777	853,698	851,425	849,188	846,951	849,226	846,917	10,278,852
a.	Recoverable Costs Allocated to Energy		866,209	865,801	863,548	861,273	861,839	862,777	853,698	851,425	849,188	846,951	849,226	846,917	10,278,852
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		866,209	865,801	863,548	861,273	861,839	862,777	853,698	851,425	849,188	846,951	849,226	846,917	10,278,852
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)		\$866,209	\$865,801	\$863,548	\$861,273	\$861,839	\$862,777	\$853,698	\$851,425	\$849,188	\$846,951	\$849,226	\$846,917	\$10,278,852

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.52 (\$25,208,869), 312.52 (\$53,063,962), 315.52 (\$15,914,427), and 316.52 (\$958,616).
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

36

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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)	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887	\$80,369,887
3.	Less: Accumulated Depreciation	(18,986,041)	(19,233,582)	(19,481,123)	(19,728,664)	(19,976,205)	(20,223,746)	(20,471,287)	(20,718,828)	(20,966,369)	(21,213,910)	(21,461,451)	(21,708,992)	(21,956,533)	
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)	\$61,383,846	61,136,305	60,888,764	60,641,223	60,393,682	60,146,141	59,898,600	59,651,059	59,403,518	59,155,977	58,908,436	58,660,895	58,413,354	
6.	Average Net Investment		61,260,075	61,012,534	60,764,993	60,517,452	60,269,911	60,022,370	59,774,829	59,527,288	59,279,747	59,032,206	58,784,665	58,537,124	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$361,659	\$360,198	\$358,736	\$357,275	\$355,813	\$354,352	\$351,396	\$349,941	\$348,486	\$347,031	\$345,575	\$344,120	\$4,234,582
b.	Debt Component Grossed Up For Taxes (C)		103,851	103,431	103,012	102,592	102,173	101,753	96,995	96,593	96,191	95,790	95,388	94,986	1,192,755
8.	Investment Expenses														
a.	Depreciation (D)		\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$247,541	\$2,970,492
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)		713,051	711,170	709,289	707,408	705,527	703,646	695,932	694,075	692,218	690,362	688,504	686,647	8,397,829
a.	Recoverable Costs Allocated to Energy		713,051	711,170	709,289	707,408	705,527	703,646	695,932	694,075	692,218	690,362	688,504	686,647	8,397,829
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		713,051	711,170	709,289	707,408	705,527	703,646	695,932	694,075	692,218	690,362	688,504	686,647	8,397,829
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)		\$713,051	\$711,170	\$709,289	\$707,408	\$705,527	\$703,646	\$695,932	\$694,075	\$692,218	\$690,362	\$688,504	\$686,647	\$8,397,829

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.53 (\$21,689,422), 312.53 (\$44,164,828), 315.53 (\$13,690,954), and 316.53 (\$824,684).
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

37

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$4,790	\$3,799	\$10,085	\$9,029	\$4,856	\$3,781	\$420,837	\$0	\$0	\$0	\$0	\$0	\$457,178
b.	Clearings to Plant		0	0	0	0	0	0	420,603	0	0	0	0	555,166	975,769
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)	\$62,853,033	\$62,853,033	\$62,853,033	\$62,853,033	\$62,853,033	\$62,853,033	\$62,853,033	\$63,273,636	\$63,273,636	\$63,273,636	\$63,273,636	\$63,273,636	\$63,273,636	\$63,828,803
3.	Less: Accumulated Depreciation	(15,866,135)	(16,046,103)	(16,226,071)	(16,406,039)	(16,586,007)	(16,765,975)	(16,945,943)	(17,125,911)	(17,307,211)	(17,488,511)	(17,669,811)	(17,851,111)	(18,032,411)	
4.	CWIP - Non-Interest Bearing	518,591	523,381	527,180	537,265	546,295	551,151	554,932	555,166	555,166	555,166	555,166	555,166	555,166	(0)
5.	Net Investment (Lines 2 + 3 + 4)	\$47,505,489	47,330,312	47,154,142	46,984,260	46,813,321	46,638,209	46,462,022	46,702,891	46,521,591	46,340,291	46,158,991	45,977,691	45,796,391	
6.	Average Net Investment		47,417,900	47,242,227	47,069,201	46,898,790	46,725,765	46,550,116	46,582,457	46,612,241	46,430,941	46,249,641	46,068,341	45,887,041	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$279,939	\$278,902	\$277,881	\$276,875	\$275,853	\$274,816	\$273,843	\$274,018	\$272,952	\$271,886	\$270,820	\$269,755	\$3,297,540
b.	Debt Component Grossed Up For Taxes (C)		80,385	80,087	79,794	79,505	79,212	78,914	75,588	75,636	75,342	75,048	74,754	74,459	928,724
8.	Investment Expenses														
a.	Depreciation (D)		\$179,968	\$179,968	\$179,968	\$179,968	\$179,968	\$179,968	\$179,968	\$181,300	\$181,300	\$181,300	\$181,300	\$181,300	\$2,166,276
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)		540,292	538,957	537,643	536,348	535,033	533,698	529,399	530,954	529,594	528,234	526,874	525,514	6,392,540
a.	Recoverable Costs Allocated to Energy		540,292	538,957	537,643	536,348	535,033	533,698	529,399	530,954	529,594	528,234	526,874	525,514	6,392,540
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		540,292	538,957	537,643	536,348	535,033	533,698	529,399	530,954	529,594	528,234	526,874	525,514	6,392,540
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)		\$540,292	\$538,957	\$537,643	\$536,348	\$535,033	\$533,698	\$529,399	\$530,954	\$529,594	\$528,234	\$526,874	\$525,514	\$6,392,540

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.54 (\$16,857,250), 312.54 (\$35,086,425), 315.54 (\$11,197,193), and 316.54 (\$687,934).
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 2.4%, 3.8%, 3.9%, and 3.3%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

38

**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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)	\$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	(2,753,538)	(2,804,847)	(2,856,156)	(2,907,465)	(2,958,774)	(3,010,083)	(3,061,392)	(3,112,701)	(3,164,010)	(3,215,319)	(3,266,628)	(3,317,937)	(3,369,246)	
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)	\$21,583,169	21,531,860	21,480,551	21,429,242	21,377,933	21,326,624	21,275,315	21,224,006	21,172,697	21,121,388	21,070,079	21,018,770	20,967,461	
6.	Average Net Investment		21,557,515	21,506,206	21,454,897	21,403,588	21,352,279	21,300,970	21,249,661	21,198,352	21,147,043	21,095,734	21,044,425	20,993,116	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$127,268	\$126,965	\$126,663	\$126,360	\$126,057	\$125,754	\$124,920	\$124,618	\$124,316	\$124,015	\$123,713	\$123,412	\$1,504,061
b.	Debt Component Grossed Up For Taxes (C)		36,545	36,458	36,371	36,284	36,197	36,110	34,481	34,398	34,315	34,231	34,148	34,065	423,603
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)		215,122	214,732	214,343	213,953	213,563	213,173	210,710	210,325	209,940	209,555	209,170	208,786	2,543,372
a.	Recoverable Costs Allocated to Energy		215,122	214,732	214,343	213,953	213,563	213,173	210,710	210,325	209,940	209,555	209,170	208,786	2,543,372
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
12.	Retail Energy-Related Recoverable Costs (E)		215,122	214,732	214,343	213,953	213,563	213,173	210,710	210,325	209,940	209,555	209,170	208,786	2,543,372
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)		\$215,122	\$214,732	\$214,343	\$213,953	\$213,563	\$213,173	\$210,710	\$210,325	\$209,940	\$209,555	\$209,170	\$208,786	\$2,543,372

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.45 (\$22,880,499) and 312.44 (\$1,456,209).
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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

39

**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$1,122	\$2,101	\$3,763	\$20,619	\$137,865	\$10,165	\$423	\$0	\$0	\$160,000	\$0	\$0	\$336,058
b.	Clearings to Plant		(647)	1,102	2,006	16,099	318,824	10,165	423	0	0	0	0	160,000	507,972
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)	\$8,205,315	\$8,204,668	\$8,205,770	\$8,207,776	\$8,223,875	\$8,542,700	\$8,552,865	\$8,553,288	\$8,553,288	\$8,553,288	\$8,553,288	\$8,553,288	\$8,713,288	
3.	Less: Accumulated Depreciation	(374,961)	(395,736)	(416,511)	(437,290)	(458,073)	(478,896)	(500,430)	(521,988)	(543,546)	(565,104)	(586,662)	(608,220)	(629,778)	
4.	CWIP - Non-Interest Bearing	171,914	173,683	174,682	176,439	180,959	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$8,002,268	7,982,615	7,963,941	7,946,926	7,946,762	8,063,804	8,052,435	8,031,300	8,009,742	7,988,184	8,126,626	8,105,068	8,083,510	
6.	Average Net Investment		7,992,442	7,973,278	7,955,433	7,946,844	8,005,283	8,058,119	8,041,867	8,020,521	7,998,963	8,057,405	8,115,847	8,094,289	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$47,185	\$47,072	\$46,966	\$46,916	\$47,261	\$47,572	\$47,275	\$47,150	\$47,023	\$47,367	\$47,710	\$47,584	\$567,081
b.	Debt Component Grossed Up For Taxes (C)		13,549	13,517	13,486	13,472	13,571	13,661	13,049	13,015	12,980	13,074	13,169	13,134	159,677
8.	Investment Expenses														
a.	Depreciation (D)		\$20,775	\$20,775	\$20,779	\$20,783	\$20,823	\$21,534	\$21,558	\$21,558	\$21,558	\$21,558	\$21,558	\$21,558	\$254,817
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)		81,509	81,364	81,231	81,171	81,655	82,767	81,882	81,723	81,561	81,999	82,437	82,276	981,575
a.	Recoverable Costs Allocated to Energy		81,509	81,364	81,231	81,171	81,655	82,767	81,882	81,723	81,561	81,999	82,437	82,276	981,575
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		81,509	81,364	81,231	81,171	81,655	82,767	81,882	81,723	81,561	81,999	82,437	82,276	981,575
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)		\$81,509	\$81,364	\$81,231	\$81,171	\$81,655	\$82,767	\$81,882	\$81,723	\$81,561	\$81,999	\$82,437	\$82,276	\$981,575

**Notes:**

- (A) Applicable depreciable base for Big Bend and Polk; accounts 315.43 (\$40,000), 315.44 (\$40,000), 312.44 (\$3,426,581), 341.80(\$26,150), 315.40 (\$1,226,949), 315.41(\$138,853), 315.42(\$138,853), 312.45 (\$2,262,901), 312.46 (\$1,242,315), 315.45 (\$40,217) and 315.46 (\$75,022), 311.40 (\$13,216), and 345.81 (\$42,232)
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.6%, 3.2%, 3.0%, 2.2%, 3.7%, 3.5%, 3.3%, 2.5%, 3.3%, 3.1%, 3.5%, 2.9% and 3.3%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

40

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

For Project: SO<sub>2</sub> Emissions Allowances  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate 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	171	0	0	0	0	0	0	0	0	171
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	(35,777)	(35,589)	(35,589)	(35,589)	(35,590)	(35,590)	(35,590)	(35,516)	(35,447)	(35,390)	(35,335)	(35,271)	(35,207)	
3.	Total Working Capital Balance	(35,777)	(35,589)	(35,589)	(35,589)	(35,590)	(35,590)	(35,590)	(35,516)	(35,447)	(35,390)	(35,335)	(35,271)	(35,207)	
4.	Average Net Working Capital Balance		(\$35,683)	(\$35,589)	(\$35,589)	(\$35,590)	(\$35,590)	(\$35,590)	(\$35,553)	(\$35,481)	(\$35,418)	(\$35,362)	(\$35,303)	(\$35,239)	
5.	Return on Average Net Working Capital Balance														
	a. Equity Component Grossed Up For Taxes (A)		(211)	(210)	(210)	(210)	(210)	(210)	(209)	(209)	(208)	(208)	(208)	(207)	(2,510)
	b. Debt Component Grossed Up For Taxes (B)		(60)	(60)	(60)	(60)	(60)	(60)	(58)	(58)	(57)	(57)	(57)	(57)	(704)
6.	Total Return Component		(271)	(270)	(270)	(270)	(270)	(270)	(267)	(267)	(265)	(265)	(265)	(264)	(3,214)
7.	Expenses:														
	a. Gains		0	0	0	(171)	0	0	0	0	0	0	0	0	(171)
	b. Losses		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. SO <sub>2</sub> Allowance Expense		(144)	30	58	41	70	95	2,556	2,538	2,550	2,582	2,521	2,472	15,369
8.	Net Expenses (D)		(144)	30	58	(130)	70	95	2,556	2,538	2,550	2,582	2,521	2,472	15,198
9.	Total System Recoverable Expenses (Lines 6 + 8)		(415)	(240)	(212)	(400)	(200)	(175)	2,289	2,271	2,285	2,317	2,256	2,208	11,984
	a. Recoverable Costs Allocated to Energy		(415)	(240)	(212)	(400)	(200)	(175)	2,289	2,271	2,285	2,317	2,256	2,208	11,984
	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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		(415)	(240)	(212)	(400)	(200)	(175)	2,289	2,271	2,285	2,317	2,256	2,208	11,984
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)		(\$415)	(\$240)	(\$212)	(\$400)	(\$200)	(\$175)	\$2,289	\$2,271	\$2,285	\$2,317	\$2,256	\$2,208	\$11,984

**Notes:**

- (A) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% 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 the Current Period Actual / Estimated Amount  
**January 2015 to December 2015**

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	Estimate July	Estimate August	Estimate September	Estimate October	Estimate November	Estimate December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$88,251	\$65,289	\$72,436	\$4,769	\$40,886	\$19,002	\$4,405	\$0	\$0	\$0	\$0	\$0	\$295,038
b.	Clearings to Plant		88,251	65,289	72,436	4,769	40,886	19,002	4,405	0	0	0	0	0	295,038
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)	\$20,963,264	21,051,515	21,116,804	21,189,240	21,194,009	21,234,895	21,253,897	21,258,302	21,258,302	21,258,302	21,258,302	21,258,302	21,258,301.56	
3.	Less: Accumulated Depreciation	(50,274)	(100,935)	(151,809)	(202,841)	(254,048)	(305,267)	(356,585)	(407,949)	(459,323)	(510,697)	(562,071)	(613,445)	(664,819)	
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)	\$20,912,990	20,950,580	20,964,995	20,986,399	20,939,961	20,929,628	20,897,312	20,850,353	20,798,979	20,747,605	20,696,231	20,644,857	20,593,483	
6.	Average Net Investment		20,931,785	20,957,787	20,975,697	20,963,180	20,934,794	20,913,470	20,873,832	20,824,666	20,773,292	20,721,918	20,670,544	20,619,170	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		\$123,574	\$123,728	\$123,834	\$123,760	\$123,592	\$123,466	\$122,710	\$122,421	\$122,119	\$121,817	\$121,515	\$121,213	\$1,473,749
b.	Debt Component Grossed Up For Taxes (C)		35,485	35,529	35,559	35,538	35,490	35,454	33,871	33,791	33,708	33,625	33,541	33,458	415,049
8.	Investment Expenses														
a.	Depreciation (D)		\$50,661	\$50,874	\$51,032	\$51,207	\$51,219	\$51,318	\$51,364	\$51,374	\$51,374	\$51,374	\$51,374	\$51,374	\$614,545
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)		209,720	210,131	210,425	210,505	210,301	210,238	207,945	207,586	207,201	206,816	206,430	206,045	2,503,343
a.	Recoverable Costs Allocated to Energy		209,720	210,131	210,425	210,505	210,301	210,238	207,945	207,586	207,201	206,816	206,430	206,045	2,503,343
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	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
11.	Demand Jurisdictional Factor		1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
12.	Retail Energy-Related Recoverable Costs (E)		209,720	210,131	210,425	210,505	210,301	210,238	207,945	207,586	207,201	206,816	206,430	206,045	2,503,343
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)		\$209,720	\$210,131	\$210,425	\$210,505	\$210,301	\$210,238	\$207,945	\$207,586	\$207,201	\$206,816	\$206,430	\$206,045	\$2,503,343

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 311.40
- (B) Line 6 x 7.0844% x 1/12 (Jan-Jun) and Line 6 x 7.0544% 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 2.0343% x 1/12 (Jan-Jun) and Line 6 x 1.9472% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 2.9%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

42

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
January 2015 to June 2015

Form 42 - 9E  
 Page 1 of 2

**Calculation of Revenue Requirement Rate of Return**  
 (In Dollars)

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

**ITC split between Debt and Equity:**

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

**Deferred ITC - Weighted Cost:**

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

**Total Equity Cost Rate:**

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

**Total Debt Cost Rate:**

Long Term Debt	1.9630%
Short Term Debt	0.0038%
Customer Deposits	0.0601%
Deferred ITC - Weighted Cost	<u>0.0074%</u>
Total Debt Component	<u>2.0343%</u>
	<u><u>9.1187%</u></u>

**Notes:**

\* Adjusted to 54% equity, per Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (2) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (3) - Column (2) / Total Column (2)  
 Column (4) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (5) - Column (3) x Column (4)

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
July 2015 to December 2015

Form 42 - 9E  
 Page 2 of 2

**Calculation of Revenue Requirement Rate of Return**  
 (In Dollars)

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base <b>Actual May 2015</b>	Ratio	Cost Rate	Weighted Cost Rate
	(\$000)	%	%	%
Long Term Debt	\$ 1,500,445	35.24%	5.33%	1.8783%
Short Term Debt	25,918	0.61%	0.71%	0.0043%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	108,557	2.55%	2.27%	0.0579%
Common Equity	1,791,818	42.09%	10.25%	4.3142%
Deferred ITC - Weighted Cost	7,573	0.18%	8.05%	0.0145%
Accumulated Deferred Income Taxes Zero Cost ITCs	<u>823,006</u>	<u>19.33%</u>	0.00%	<u>0.0000%</u>
<b>Total</b>	<b>\$ <u>4,257,317</u></b>	<b><u>100.00%</u></b>		<b><u>6.27%</u></b>

**ITC split between Debt and Equity:**

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

**Deferred ITC - Weighted Cost:**

Debt = .0161% * 46.00%	0.0067%
Equity = .0161% * 54.00%	<u>0.0078%</u>
Weighted Cost	<u>0.0145%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	4.3142%
Deferred ITC - Weighted Cost	<u>0.0078%</u>
	4.3220%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0544%</u>

**Total Debt Cost Rate:**

Long Term Debt	1.8783%
Short Term Debt	0.0043%
Customer Deposits	0.0579%
Deferred ITC - Weighted Cost	<u>0.0067%</u>
Total Debt Component	<u>1.9472%</u>
	<u>9.0016%</u>

**Notes:**

\* Adjusted to 54% equity, per Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (2) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (3) - Column (2) / Total Column (2)  
 Column (4) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2013 Base Rates Settlement Agreement Dated September 6, 2013.  
 Column (5) - Column (3) x Column (4)