

# 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

August 1, 2013

HAND DELIVERED

RECEIVED-FPSC  
13 AUG - 1 PM 1:11  
COMMISSION  
CLERK

Ms. Ann Cole, Director  
Division of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Environmental Cost Recovery Clause  
FPSC Docket No. 130007-EI

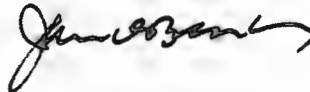
Dear Ms. Cole:

Enclosed for filing in the above docket, on behalf of Tampa Electric Company, are the original and fifteen (15) copies of Prepared Direct Testimony and Exhibit (HTB-2) of Howard T. Bryant regarding Environmental Cost Recovery Factors Actual/Estimated True-up for the period January 2013 through December 2013.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp  
Enclosure

cc: All Parties of Record (w/enc.)

COM	_____
AFD	_____
APA	_____
ECO	_____
ENG	_____ 5
GCL	_____
IDM	_____
TEL	_____
CLK	_____

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing Testimony and Exhibit, of Howard T. Bryant, filed on behalf of Tampa Electric Company, has been furnished by U. S. Mail or hand delivery (\*) on this 1<sup>st</sup> day of August 2013 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

Ms. Patricia Christensen  
Associate Public Counsel  
Office of Public Counsel  
111 West Madison Street – Room 812  
Tallahassee, FL 32399-1400

Mr. Jon C. Moyle, Jr.  
Moyle Law Firm, PA  
118 N. Gadsden Street  
Tallahassee, FL 32301

Mr. John T. Butler  
Managing Attorney - Regulatory  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420

Mr. Kenneth Hoffman  
Florida Power & Light Company  
215 South Monroe Street, Suite 810  
Tallahassee, FL 32301-1859

Mr. Gary V. Perko  
Hopping Green & Sams, P.A.  
Post Office Box 6526  
Tallahassee, FL 32314

Samuel Miller, Capt., USAF  
USAF/AFLOA/JACL/ULFSC  
139 Barnes Drive, Suite 1  
Tyndall AFB, FL 32403-5319

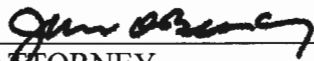
Mr. John T. Burnett  
Ms. Dianne Triplett  
Duke Energy Florida, Inc.  
Post Office Box 14042  
St. Petersburg, FL 33733-4042

Mr. Paul Lewis, Jr.  
Duke Energy Florida, Inc.  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301-7740

Mr. Robert L. McGee, Jr.  
Gulf Power Company  
One Energy Place  
Pensacola, FL 32520

Mr. Jeffrey A. Stone  
Mr. Russell A. Badders  
Mr. Steven R. Griffin  
Beggs and Lane  
Post Office Box 12950  
Pensacola, FL 32591-2950

Mr. James W. Brew  
Mr. F. Alvin Taylor  
Brickfield, Burchette, Ritts & Stone, P.C.  
1025 Thomas Jefferson Street, NW  
Eighth Floor, West Tower  
Washington, D.C. 20007-5201

  
\_\_\_\_\_  
ATTORNEY



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 130007-EI

IN RE:

ENVIRONMENTAL COST RECOVERY FACTORS

ACTUAL / ESTIMATED TRUE-UP

JANUARY 2013 THROUGH DECEMBER 2013

TESTIMONY AND EXHIBIT

OF

HOWARD T. BRYANT



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

Environmental Cost Recovery Clause ("ECRC"), and retail rate design.

**Q.** Have you previously testified before the Florida Public Service Commission ("Commission")?

**A.** Yes. I have testified before this Commission on conservation and load management activities, DSM goals setting and DSM plan approval dockets, and other ECRC dockets since 1993, and ECRC activities since 2001.

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

**A.** The purpose of my testimony is to present, for Commission review and approval, the calculation of the January 2013 through December 2013 estimated true-up amount to be refunded or recovered through the ECRC during January 2014 through December 2014. My testimony addresses the recovery of capital and operations and maintenance ("O&M") costs associated with environmental compliance activities for 2013, based on six months of actual data and six months of estimated data. This information will be used to determine the environmental cost recovery factors for January 2014 through December 2014.

1 Q. Have you prepared an exhibit that shows the determination  
2 of the recoverable environmental costs for the period  
3 January 2013 through December 2013?  
4

5 A. Yes. Exhibit No. \_\_\_\_\_ (HTB-2), containing nine  
6 documents, was prepared under my direction and  
7 supervision. It includes Forms 42-1E through 42-9E which  
8 show the current period estimated true-up amount to be  
9 used in calculating the cost recovery factors for January  
10 2013 through December 2013.  
11

12 Q. What has Tampa Electric calculated as the estimated true-  
13 up for the current period to be applied to the January  
14 2013 through December 2013 ECRC factors?  
15

16 A. The estimated true-up applicable for the current period,  
17 January 2013 through December 2013, is an over-recovery  
18 of \$1,243,352. A detailed calculation supporting the  
19 estimated true-up is shown on Forms 42-1E through 42-8E  
20 of my exhibit.  
21

22 Q. What is the nature of the adjustment on line 10 of Form  
23 42-2E?  
24

25 A. The adjustment of \$15,513 on line 10 of Form 42-2E is due

1 to changes to CWIP during August through December 2012.  
2 The projects associated with the CWIP increase are Big  
3 Bend Unit 3 FGD Integration, totaling \$7,354, Big Bend  
4 Unit 4 SCR totaling \$807,793 and lastly, Mercury Air  
5 Toxics Standards ("MATS"), totaling \$63,500. These  
6 changes resulted in an increase of \$15,513 to the 2012  
7 ROI and interest.

8  
9 **Q.** Is Tampa Electric including costs in this estimated true-  
10 up filing for any new environmental projects that were  
11 not anticipated and included in its 2013 factors?

12  
13 **A.** Yes, Tampa Electric is including costs for the MATS  
14 project approved by the Commission in Docket No. 120302-  
15 EI, Order No. PSC 13-0191-PAA-EI, issued on May 6, 2013  
16 for inclusion in its 2013 factors.

17  
18 **Q.** What depreciation rates were utilized for the capital  
19 projects contained in the 2013 Actual/Estimated True-Up?

20  
21 **A.** Tampa Electric utilized the depreciation rates approved  
22 in Docket No. 110131-EI, Order No. PSC-12-0175-PAA-EI  
23 issued on April 3, 2012.

24  
25 **Q.** What capital structure, components and cost rates did

1 Tampa Electric rely on to calculate the revenue  
2 requirement rate of return for January 2013 through  
3 December 2013?

4  
5 **A.** Tampa Electric relied upon the capital structure,  
6 components and cost rates approved by the Commission in  
7 Docket No. 120007-EI, Order No. PSC-12-0425-PAA-EU on  
8 August 16, 2012 to calculate the revenue requirement rate  
9 of return found on Form 42-9E.

10  
11 **Q.** How did the actual/estimated project expenditures for  
12 January 2013 through December 2013 period compare with  
13 the company's original projection?

14  
15 **A.** As shown on Form 42-4E, total O&M activities were \$51,630  
16 less than the projected costs. The total capital  
17 expenditures itemized on Form 42-6E, were \$1,161,348 less  
18 than originally projected. O&M and capital investment  
19 projects with material variances are explained below.

20  
21 **O&M Project Variances**

- 22 • **SO<sub>2</sub> Emission Allowances:** The SO<sub>2</sub> Emission Allowances  
23 project variance is estimated to be \$9,783 or 42.6  
24 percent less than projected. The variance is due to less  
25 cogeneration purchases than expected and the application



1 of a lower emission allowance rate than originally  
2 projected.

3

4 • **Big Bend PM Minimization and Monitoring:** The Big Bend PM  
5 Minimization and Monitoring project variance is estimated  
6 to be \$488,769 or 125.3 percent greater than projected  
7 due to an increase in the scope of daily inspections  
8 resulting in the addition of two additional Best  
9 Operating Practice contractors.

10

11 • **Gannon Thermal Discharge Study:** The Gannon Thermal  
12 Discharge Study project variance is estimated to be  
13 \$12,500 or 100 percent less than originally projected.  
14 This variance is due to the Florida Department of  
15 Environmental Protection ("FDEP") not requiring a  
16 demonstration study this permit cycle.

17

18 • **Polk NO<sub>x</sub> Emissions Reduction:** The Polk NO<sub>x</sub> Emissions  
19 Reduction project variance is estimated to be \$12,643 or  
20 44.4 percent less than originally projected due to an  
21 extended outage at the Polk Power Station in addition to  
22 a reduction in water costs and maintenance associated  
23 with the saturator that is used to reduce NO<sub>x</sub> emissions.

24

25 • **Bayside SCR Consumables:** The Bayside SCR Consumables

1 variance is estimated to be \$52,201 or 49.2 percent  
2 greater than originally projected due to an increase in  
3 ammonia costs attributed to an increase in the cost per  
4 ton of consumable ammonia as well as an overall increase  
5 in ammonia consumption.  
6

7 • **Big Bend Unit 3 Pre-SCR:** The Big Bend Unit 3 Pre-SCR  
8 project incurred expenses of \$177,672 compared to an  
9 original projection of no anticipated costs due to  
10 unscheduled repairs to the blades associated with the  
11 Pre-SCR.  
12

13 • **Clean Water Act Section 316(b) Phase II Study:** The Clean  
14 Water Act Section 316(b) Phase II Study project variance  
15 is estimated to be \$60,000 or 100 percent less than  
16 originally projected due to the EPA's postponement of the  
17 final rule until July 2013. As such, Tampa Electric has  
18 delayed any additional work related to same.  
19

20 • **Arsenic Groundwater Standard Program:** The Arsenic  
21 Groundwater Standard Program variance is estimated to be  
22 \$363,950 or 54.6 percent less than what was originally  
23 projected due to FDEP delay in approval of activity  
24 associated with project work.  
25

1 • **Big Bend Unit 3 SCR:** The Big Bend Unit 3 SCR project  
2 variance is estimated to be \$88,449 or 5.7 percent  
3 greater than originally projected due to actual  
4 consumption of ammonia for the SO<sub>3</sub> mitigation system being  
5 greater than originally projected as a result of outages  
6 on Units 1 and 2, requiring Unit 3 to experience greater  
7 operation hours than originally forecasted.

8  
9 • **Mercury Air Toxics Standards f/k/a Clean Air Mercury**  
10 **Rule:** The MATS program variance is expected to be  
11 \$301,421 or 1,507.1 percent greater than originally  
12 projected due to MATS not being an approved program at  
13 the time of the original projection filing. The  
14 Commission approved MATS in Docket No. 120302-EI, Order  
15 No. PSC-13-0191-PAA-EI, issued on May 6, 2013. As such,  
16 the O&M expenditures associated with this project pertain  
17 to mercury, hydrochloric acid and particulate matter  
18 testing as well as expenditures for the former Clean Air  
19 Mercury Rule ("CAMR") O&M that includes umbilical mercury  
20 testing.

21  
22 **Capital Investment Project Variances**

23 • **Big Bend PM Minimization and Monitoring:** The Big Bend PM  
24 Minimization and Monitoring project variance is estimated  
25 to be \$264,860 or 13.6 percent less than projected due to

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

the construction contract and equipment packages being less than originally projected.

• **Mercury Air Toxics Standards f/k/a Clean Air Mercury**

**Rule:** The MATS program variance is estimated to be \$177,158 or 111.6 percent greater than originally projected due to MATS not being an approved program at the time of the original projection filing. The variance includes the purchase of a Mercury Spectrometer that will be used for monitoring mercury emissions. The MATS costs include the previously projected Clean Air Mercury Rule capital expenditures.

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

**A.** Yes, it does.

INDEX

TAMPA ELECTRIC COMPANY  
ENVIRONMENTAL COST RECOVERY CLAUSE

ACTUAL / ESTIMATED TRUE-UP AMOUNT  
FOR THE PERIOD OF  
JANUARY 2013 THROUGH DECEMBER 2013

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 2013 to December 2013**  
(in Dollars)

Form 42 - 1E

11

<u>Line</u>	<u>Period Amount</u>
1. Over/(Under) Recovery for the Current Period (Form 42-2E, Line 5)	\$1,270,663
2. Interest Provision (Form 42-2E, Line 6)	(11,798)
3. Sum of Current Period Adjustments (Form 42-2E, Line 10)	<u>(15,513)</u>
4. Current Period True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2014 to December 2014 (Lines 1 + 2 + 3)	<u>\$1,243,352</u>

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42 - 2E

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

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1. ECRC Revenues (net of Revenue Taxes)	\$7,726,247	\$7,091,903	\$7,253,758	\$7,662,922	\$8,127,650	\$9,406,124	\$9,881,532	\$9,795,913	\$10,081,423	\$8,889,052	\$7,633,115	\$7,521,069	\$101,070,707
2. True-Up Provision	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,940)	(1,248,937)	(14,987,277)
3. ECRC Revenues Applicable to Period (Lines 1 + 2)	6,477,307	5,842,963	6,004,818	6,413,982	6,878,710	8,157,184	8,632,592	8,546,973	8,832,483	7,640,112	6,384,175	6,272,132	86,083,430
4. Jurisdictional ECRC Costs													
a. O & M Activities (Form 42-5E, Line 9)	2,399,035	1,834,884	1,933,868	1,869,817	1,703,714	1,685,618	2,404,072	2,479,847	2,334,313	2,357,610	2,388,070	2,326,033	25,716,881
b. Capital Investment Projects (Form 42-7E, Line 9)	4,985,699	4,981,777	4,980,287	4,979,402	4,999,701	5,047,179	4,859,084	4,851,243	4,850,396	4,853,572	4,851,708	4,855,857	59,095,885
c. Total Jurisdictional ECRC Costs	7,384,734	6,816,661	6,914,135	6,849,219	6,703,415	6,732,797	7,263,156	7,331,090	7,184,709	7,211,182	7,239,778	7,181,890	84,812,766
5. Over/Under Recovery (Line 3 - Line 4c)	(907,427)	(973,698)	(909,319)	(435,237)	175,295	1,424,387	1,369,436	1,215,883	1,647,774	428,930	(855,603)	(909,758)	1,270,663
6. Interest Provision (Form 42-3E, Line 10)	(1,112)	(1,458)	(1,434)	(1,214)	(974)	(709)	(1,154)	(1,349)	(947)	(604)	(449)	(394)	(11,798)
7. Beginning Balance True-Up & Interest Provision	(14,987,277)	(14,862,389)	(14,388,605)	(14,050,418)	(13,237,929)	(11,814,688)	(9,142,050)	(6,524,828)	(4,061,354)	(1,165,587)	511,679	904,567	(14,987,277)
a. Deferred True-Up from January to December 2012	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)	(3,702,886)
8. True-Up Collected/(Refunded) (see Line 2)	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,940	1,248,937	14,987,277
9. End of Period Total True-Up (Lines 5+6+7+8)	(18,349,762)	(18,091,491)	(17,753,304)	(18,940,815)	(15,517,554)	(12,844,936)	(10,227,714)	(7,764,240)	(4,868,473)	(3,191,207)	(2,798,319)	(2,459,534)	(2,444,021)
10. Adjustment to Period True-Up Including Interest	(15,513)	0	0	0	0	0	0	0	0	0	0	0	(15,513)
11. End of Period Total True-Up (Lines 9 + 10)	(\$18,365,275)	(\$18,091,491)	(\$17,753,304)	(\$18,940,815)	(\$15,517,554)	(\$12,844,936)	(\$10,227,714)	(\$7,764,240)	(\$4,868,473)	(\$3,191,207)	(\$2,798,319)	(\$2,459,534)	(\$2,459,534)

12

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42 - 3E

Interest Provision  
 (in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1. Beginning True-Up Amount (Form 42-2E, Line 7 + 7a + 10)	(\$18,705,876)	(\$18,365,275)	(\$18,091,491)	(\$17,753,304)	(\$18,940,815)	(\$15,517,554)	(\$12,844,936)	(\$10,227,714)	(\$7,764,240)	(\$4,868,473)	(\$3,191,207)	(\$2,798,319)	
2. Ending True-Up Amount Before Interest	(18,364,183)	(18,090,033)	(17,751,870)	(16,939,601)	(15,516,580)	(12,844,227)	(10,226,560)	(7,762,891)	(4,867,526)	(3,190,603)	(2,797,870)	(2,459,140)	
3. Total of Beginning & Ending True-Up (Lines 1 + 2)	(37,069,839)	(36,455,308)	(35,843,361)	(34,692,905)	(32,457,395)	(28,361,781)	(23,071,496)	(17,990,605)	(12,631,766)	(8,059,076)	(5,989,077)	(5,257,459)	
4. Average True-Up Amount (Line 3 x 1/2)	(18,534,920)	(18,227,654)	(17,921,661)	(17,346,453)	(16,228,698)	(14,180,891)	(11,535,748)	(8,995,303)	(6,315,883)	(4,029,538)	(2,994,539)	(2,628,730)	
5. Interest Rate (First Day of Reporting Business Month)	0.05%	0.09%	0.10%	0.08%	0.08%	0.07%	0.06%	0.18%	0.18%	0.18%	0.18%	0.18%	
6. Interest Rate (First Day of Subsequent Business Month)	0.09%	0.10%	0.08%	0.08%	0.07%	0.06%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	
7. Total of Beginning & Ending Interest Rates (Lines 5 + 6)	0.14%	0.19%	0.18%	0.16%	0.15%	0.13%	0.24%	0.36%	0.36%	0.36%	0.36%	0.36%	
8. Average Interest Rate (Line 7 x 1/2)	0.070%	0.095%	0.090%	0.080%	0.075%	0.065%	0.120%	0.180%	0.180%	0.180%	0.180%	0.180%	
9. Monthly Average Interest Rate (Line 8 x 1/12)	0.006%	0.008%	0.008%	0.007%	0.006%	0.005%	0.010%	0.015%	0.015%	0.015%	0.015%	0.015%	
10. Interest Provision for the Month (Line 4 x Line 9)	(\$1,112)	(\$1,458)	(\$1,434)	(\$1,214)	(\$974)	(\$709)	(\$1,154)	(\$1,349)	(\$947)	(\$604)	(\$449)	(\$394)	(\$11,798)

13



**Tampa Electric Company**  
**Environmental Cost Recovery Clause (ECRC)**  
**Calculation of the Current Period Actual / Estimated Amount**  
**January 2013 to December 2013**

Form 42 - 4E

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

Line	(1)	(2)	(3) Variance	
	Actual/Estimated	Original Projection	Amount	Percent
1. Description of O&M Activities				
a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$5,351,151	\$5,526,100	(\$174,949)	-3.2%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	0	0	-	0.0%
c. SO <sub>2</sub> Emissions Allowances	13,197	22,980	(9,783)	-42.6%
d. Big Bend Units 1 & 2 FGD	10,860,818	11,080,000	(219,182)	-2.0%
e. Big Bend PM Minimization and Monitoring	878,769	390,000	488,769	125.3%
f. Big Bend NO <sub>x</sub> Emissions Reduction	360,691	375,000	(14,309)	-3.8%
g. NPDES Annual Surveillance Fees	34,500	34,500	-	0.0%
h. Gannon Thermal Discharge Study	0	12,500	(12,500)	-100.0%
i. Polk NO <sub>x</sub> Emissions Reduction	15,857	28,500	(12,643)	-44.4%
j. Bayside SCR Consumables	158,201	106,000	52,201	49.2%
k. Big Bend Unit 4 SOFA	0	0	-	0.0%
l. Big Bend Unit 1 Pre-SCR	0	0	-	0.0%
m. Big Bend Unit 2 Pre-SCR	0	0	-	0.0%
n. Big Bend Unit 3 Pre-SCR	177,672	0	177,672	NA
o. Clean Water Act Section 316(b) Phase II Study	0	60,000	(60,000)	-100.0%
p. Arsenic Groundwater Standard Program	303,050	667,000	(363,950)	-54.6%
q. Big Bend 1 SCR	2,152,024	2,259,818	(107,794)	-4.8%
r. Big Bend 2 SCR	2,393,825	2,506,409	(112,584)	-4.5%
s. Big Bend 3 SCR	1,637,077	1,548,628	88,449	5.7%
t. Big Bend 4 SCR	967,725	1,041,076	(73,351)	-7.0%
u. Mercury Air Toxics Standards	321,421	20,000	301,421	1507.1%
v. Greenhouse Gas Reduction Program	90,903	90,000	903	1.0%
2. Total Investment Projects - Recoverable Costs	\$25,716,881	\$25,768,511	(\$51,630)	-0.2%
3. Recoverable Costs Allocated to Energy	\$25,379,331	\$24,994,511	\$384,820	1.5%
4. Recoverable Costs Allocated to Demand	\$337,550	\$774,000	(\$436,450)	-56.4%

**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-12-0613-PCO-EI.  
Column (3) = Column (1) - Column (2)  
Column (4) = Column (3) / Column (2)

14

DOCKET NO. 130007-EI  
ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
EXHIBIT HTB-2, DOCUMENT NO. 4, PAGE 1 OF 1

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42 - E2

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

Line	Actual	Actual	Actual	Actual	Actual	Actual	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	End of	Method of Classification	
	January	February	March	April	May	June	July	August	September	October	November	December	Period Total	Demand	Energy
1.	Description of O&M Activities														
a.	\$284,719	\$357,521	\$330,742	\$323,857	\$409,027	\$389,035	\$575,250	\$606,250	\$536,250	\$607,000	\$464,000	\$467,500	\$5,351,151		\$5,351,151
b.													0		0
c.	1,445	641	(451)	(786)	(90)	(23)	2,088	2,097	2,063	2,110	2,070	2,033	13,197		13,197
d.	1,071,006	843,881	703,677	830,857	722,117	689,780	692,500	1,109,500	987,500	960,000	1,135,000	915,000	10,860,818		10,860,818
e.	92,827	91,718	123,160	74,705	103,569	(7,211)	25,000	75,000	75,000	75,000	75,000	75,000	878,769		878,769
f.	3,491	3,751	52,513	1	9,768	8,454	157,713	0	50,000	0	50,000	25,000	360,691		360,691
g.	34,500	0	0	0	0	0	0	0	0	0	0	0	34,500	\$34,500	0
h.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
i.	894	0	924	41	0	498	2,000	2,000	2,000	3,500	2,000	2,000	15,857		15,857
j.	0	16,000	18,084	15,263	15,861	15,493	15,500	15,500	15,500	15,500	15,500	0	158,201		158,201
k.	0	0	0	0	0	0	0	0	0	0	0	0	0		0
l.	0	0	0	0	0	0	0	0	0	0	0	0	0		0
m.	0	4,851	7,412	7,604	(428)	519	(19,957)	0	0	0	0	0	0		0
n.	0	575	12,770	19,732	20,249	171,368	(47,022)	0	0	0	0	0	177,672		177,672
o.	0	0	0	0	0	0	0	0	0	0	0	0	0		0
p.	9,857	770	48	2,823	41	44,512	0	0	20,000	0	0	225,000	303,050	303,050	0
q.	183,783	90,450	172,632	251,843	155,428	122,888	210,000	200,000	195,000	210,000	200,000	160,000	2,152,024		2,152,024
r.	230,147	106,819	247,694	232,257	149,432	132,475	250,000	230,000	200,000	225,000	220,000	170,000	2,393,825		2,393,825
s.	371,375	251,746	87,793	18,957	52,438	84,768	130,000	130,000	140,000	80,000	125,000	165,000	1,637,077		1,637,077
t.	110,580	65,958	90,202	92,323	66,300	32,362	90,000	90,000	90,000	80,000	80,000	100,000	967,725		967,725
u.	1,077	2	0	340	2	0	121,000	19,500	21,000	119,500	19,500	19,500	321,421		321,421
v.	3,333	202	86,887	0	0	701	0	0	0	0	0	0	90,903		90,903
2.	2,399,035	1,834,884.00	1,933,868	1,869,817	1,703,714	1,685,618	2,404,072	2,479,847	2,334,313	2,357,610	2,388,070	2,326,033	25,716,881	\$337,550	\$25,379,331
3.	2,354,678	1,834,114	1,933,820	1,866,994	1,703,673	1,641,106	2,404,072	2,479,847	2,314,313	2,357,610	2,388,070	2,101,033	25,379,331		
4.	44,357	770	48	2,823	41	44,512	0	0	20,000	0	0	225,000	337,550		
5.	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000			
6.	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000			
7.	2,354,678	1,834,114	1,933,820	1,866,994	1,703,673	1,641,106	2,404,072	2,479,847	2,314,313	2,357,610	2,388,070	2,101,033	25,379,330		
8.	44,357	770	48	2,823	41	44,512	0	0	20,000	0	0	225,000	337,551		
9.	\$2,399,035	\$1,834,884	\$1,933,868	\$1,869,817	\$1,703,714	\$1,685,618	\$2,404,072	\$2,479,847	\$2,334,313	\$2,357,610	\$2,388,070	\$2,326,033	\$25,716,881		

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

15

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42 - 6E

**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. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$1,068,587	\$1,123,304	(\$54,717)	-4.9%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	370,864	375,431	(4,567)	-1.2%
c. Big Bend Unit 4 Continuous Emissions Monitors	74,201	75,414	(1,213)	-1.6%
d. Big Bend Fuel Oil Tank # 1 Upgrade	47,965	48,777	(812)	-1.7%
e. Big Bend Fuel Oil Tank # 2 Upgrade	78,891	80,227	(1,336)	-1.7%
f. Big Bend Unit 1 Classifier Replacement	118,055	119,754	(1,699)	-1.4%
g. Big Bend Unit 2 Classifier Replacement	85,099	86,368	(1,269)	-1.5%
h. Big Bend Section 114 Mercury Testing Platform	12,265	12,493	(228)	-1.8%
i. Big Bend Units 1 & 2 FGD	8,026,313	8,128,926	(102,613)	-1.3%
j. Big Bend FGD Optimization and Utilization	2,137,338	2,179,242	(41,904)	-1.9%
k. Big Bend NO <sub>x</sub> Emissions Reduction	703,373	718,705	(15,332)	-2.1%
l. Big Bend PM Minimization and Monitoring	1,682,814	1,947,674	(264,860)	-13.6%
m. Polk NO <sub>x</sub> Emissions Reduction	163,277	166,164	(2,887)	-1.7%
n. Big Bend Unit 4 SOFA	283,329	288,755	(5,426)	-1.9%
o. Big Bend Unit 1 Pre-SCR	198,560	202,030	(3,470)	-1.7%
p. Big Bend Unit 2 Pre-SCR	188,069	191,463	(3,394)	-1.8%
q. Big Bend Unit 3 Pre-SCR	334,009	340,269	(6,260)	-1.8%
r. Big Bend Unit 1 SCR	11,128,309	11,342,083	(213,774)	-1.9%
s. Big Bend Unit 2 SCR	11,866,818	12,121,742	(254,924)	-2.1%
t. Big Bend Unit 3 SCR	9,788,121	9,976,698	(188,577)	-1.9%
u. Big Bend Unit 4 SCR	7,467,252	7,497,418	(30,166)	-0.4%
v. Big Bend FGD System Reliability	2,940,331	3,079,486	(139,155)	-4.5%
w. Mercury Air Toxics Standards	335,886	158,728	177,158	111.6%
x. SO <sub>2</sub> Emissions Allowances	(3,841)	(3,918)	77	-2.0%
y. Big Bend New Gypsum East Storage Facility	-	-	-	0.0%
2. Total Investment Projects - Recoverable Costs	\$59,095,885	\$60,257,233	(\$1,161,348)	-1.9%
3. Recoverable Costs Allocated to Energy	\$58,969,029	\$60,128,229	(\$1,159,200)	-1.9%
4. Recoverable Costs Allocated to Demand	\$126,856	\$129,004	(\$2,148)	-1.7%

**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-12-0613-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 2013 to December 2013

**Capital Investment Projects-Recoverable Costs**

(in Dollars)

Line	Description (A)	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total	Method of Classification Demand	Energy
1. a	Big Bend Unit 3 Flue Gas Desulfurization Integration	\$56,518	\$56,387	\$56,252	\$56,114	\$77,053	\$109,312	\$107,192	\$108,313	\$109,752	\$110,375	\$110,540	\$110,779	\$1,068,587		\$1,068,587
b	Big Bend Units 1 and 2 Flue Gas Conditioning	32,072	31,930	31,786	31,643	31,500	31,357	30,435	30,299	30,164	30,028	29,893	29,757	370,864		370,864
c	Big Bend Unit 4 Continuous Emissions Monitors	6,397	6,376	6,356	6,336	6,315	6,295	6,089	6,050	6,031	6,011	5,992	5,973	74,201		74,201
d	Big Bend Fuel Oil Tank # 1 Upgrade	4,134	4,121	4,108	4,096	4,084	4,071	3,921	3,910	3,898	3,886	3,874	3,862	47,965	\$	47,965
e	Big Bend Fuel Oil Tank # 2 Upgrade	6,799	6,778	6,757	6,737	6,716	6,696	6,450	6,431	6,411	6,392	6,372	6,353	78,891		78,891
f	Big Bend Unit 1 Classifier Replacement	10,194	10,155	10,115	10,076	10,037	9,999	9,572	9,535	9,500	9,465	9,430	9,395	118,055		118,055
g	Big Bend Unit 2 Classifier Replacement	7,345	7,318	7,291	7,264	7,237	7,210	6,970	6,944	6,918	6,893	6,867	6,842	85,099		85,099
h	Big Bend Section 114 Mercury Testing Platform	1,055	1,052	1,050	1,048	1,045	1,043	999	999	997	994	992	989	12,265		12,265
i	Big Bend Units 1 & 2 FGD	663,333	681,322	679,743	678,263	677,015	676,144	651,883	649,856	654,648	664,257	664,127	665,722	8,026,313		8,026,313
j	Big Bend FGD Optimization and Utilization	183,809	183,407	183,007	182,606	182,205	181,804	174,367	173,987	173,607	173,227	172,846	172,466	2,137,338		2,137,338
k	Big Bend NO <sub>x</sub> Emissions Reduction	60,388	60,298	60,208	60,117	60,027	59,938	57,280	57,194	57,109	57,023	56,938	56,853	703,373		703,373
l	Big Bend PM Minimization and Monitoring	106,713	112,029	120,220	128,709	137,102	160,855	154,888	152,946	152,743	152,434	152,125	151,816	1,882,814		1,882,814
m	Polk NO <sub>x</sub> Emissions Reduction	14,062	14,023	13,984	13,945	13,906	13,867	13,341	13,304	13,267	13,230	13,193	13,155	163,277		163,277
n	Big Bend Unit 4 SOFA	24,375	24,318	24,261	24,205	24,148	24,091	23,123	23,069	23,015	22,962	22,908	22,854	283,329		283,329
o	Big Bend Unit 1 Pre-SCR	17,103	17,055	17,006	16,957	16,909	16,860	16,227	16,181	16,135	16,089	16,042	15,996	198,560		198,560
p	Big Bend Unit 2 Pre-SCR	16,193	16,150	16,106	16,063	16,020	15,977	15,362	15,321	15,280	15,240	15,199	15,158	188,069		188,069
q	Big Bend Unit 3 Pre-SCR	28,743	28,672	28,602	28,532	28,462	28,391	27,268	27,201	27,135	27,068	27,001	26,934	334,009		334,009
r	Big Bend Unit 4 SCR	964,784	952,098	949,412	946,576	943,740	940,904	909,957	907,804	905,652	903,500	901,348	900,924	11,128,309		11,128,309
s	Big Bend Unit 2 SCR	1,021,647	1,018,962	1,016,277	1,013,592	1,010,907	1,008,222	969,234	966,688	964,142	961,596	959,049	956,503	11,866,818		11,866,818
t	Big Bend Unit 3 SCR	842,009	840,494	838,306	836,114	833,922	831,729	799,455	797,376	795,298	793,218	791,139	789,061	9,788,121		9,788,121
u	Big Bend Unit 4 SCR	640,716	639,151	637,585	636,019	634,453	632,887	607,961	607,531	607,101	606,671	606,241	605,811	7,467,252		7,467,252
v	Big Bend FGD System Reliability	252,605	252,102	251,716	251,259	250,814	250,373	239,552	239,222	238,902	238,582	238,262	237,942	2,940,331		2,940,331
w	Mercury Air Toxics Standards	15,036	17,910	20,450	21,368	22,219	23,070	27,708	31,293	32,995	35,799	39,598	46,501	335,886		335,886
y	SO <sub>x</sub> Emissions Allowances (B)	(331)	(331)	(331)	(331)	(329)	(329)	(312)	(311)	(311)	(309)	(308)	(308)	(3,841)		(3,841)
z	Big Bend Gypsum Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0	0		0
2.	Total Investment Projects - Recoverable Costs	4,985,699	4,981,777	4,980,267	4,979,402	4,999,701	5,047,179	4,859,084	4,851,243	4,850,396	4,853,572	4,851,708	4,855,857	59,095,885	\$	126,856
3.	Recoverable Costs Allocated to Energy	4,974,766	4,970,878	4,969,402	4,968,569	4,988,901	5,036,412	4,848,713	4,840,902	4,840,087	4,843,295	4,841,462	4,845,642	58,969,029		58,969,029
4.	Recoverable Costs Allocated to Demand	10,933	10,899	10,865	10,833	10,800	10,767	10,371	10,341	10,309	10,277	10,246	10,215	126,856		126,856
5.	Retail Energy Jurisdictional Factor	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000		1,000,000
6.	Retail Demand Jurisdictional Factor	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000		1,000,000
7.	Jurisdictional Energy Recoverable Costs (C)	4,974,766	4,970,878	4,969,402	4,968,569	4,988,901	5,036,412	4,848,713	4,840,902	4,840,087	4,843,295	4,841,462	4,845,642	58,969,029		58,969,029
8.	Jurisdictional Demand Recoverable Costs (D)	10,933	10,899	10,865	10,833	10,800	10,767	10,371	10,341	10,309	10,277	10,246	10,215	126,856		126,856
9.	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 + 8)	\$4,985,699	\$4,981,777	\$4,980,267	\$4,979,402	\$4,999,701	\$5,047,179	\$4,859,084	\$4,851,243	\$4,850,396	\$4,853,572	\$4,851,708	\$4,855,857	\$59,095,885		\$59,095,885

**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 8
- (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 2013 to December 2013**

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$2,756	\$2,032	\$1,814	\$1,124	\$557,238	\$327,332	\$73,078	\$213,829	\$124,319	\$41,076	\$48,062	\$65,512	\$1,458,172
b.	Clearings to Plant		0	0	0	0	4,761,061	\$326,043	72,045	\$121,961	\$79,536	\$14,048	0	0	\$5,374,695
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		\$180,308	\$278,943	\$583,850	\$1,242,786	0	0	0	0	0	0	0	0	\$2,285,887
2.	Plant-in-Service/Depreciation Base (A)	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$13,000,719	\$13,326,763	\$13,398,808	\$13,520,769	\$13,600,305	\$13,614,353	\$13,614,353	\$13,614,353	
3.	Less: Accumulated Depreciation	(3,796,317)	(3,813,483)	(3,830,649)	(3,847,815)	(3,864,981)	(3,882,147)	(3,909,232)	(3,936,996)	(3,964,910)	(3,993,078)	(4,021,412)	(4,049,775)	(4,078,138)	
4.	CWIP - Non-Interest Bearing	7,354	10,110	12,142	13,956	15,080	15,909	17,198	18,231	110,099	154,882	181,910	229,972	295,484	
5.	Net Investment (Lines 2 + 3 + 4)	\$4,450,695	4,436,285	4,421,151	4,405,799	4,389,757	9,134,482	9,434,729	9,480,043	9,665,958	9,762,109	9,774,851	9,794,550	9,831,699	
6.	Average Net Investment		4,443,490	4,428,718	4,413,475	4,397,778	6,762,119	9,284,605	9,457,386	9,573,000	9,714,033	9,768,480	9,784,700	9,813,124	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		29,139	29,042	28,942	28,840	44,344	60,886	61,868	62,624	63,547	63,903	64,009	64,195	\$601,339
b.	Debt Component Grossed Up For Taxes (C)		10,213	10,179	10,144	10,108	15,543	21,341	17,560	17,775	18,037	18,138	18,168	18,221	185,427
8.	Investment Expenses														
a.	Depreciation (D)		17,166	17,166	17,166	17,166	17,166	27,085	27,764	27,914	28,168	28,334	28,363	28,363	281,821
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)		56,518	56,387	56,252	56,114	77,053	109,312	107,192	108,313	109,752	110,375	110,540	110,779	1,068,587
a.	Recoverable Costs Allocated to Energy		56,518	56,387	56,252	56,114	77,053	109,312	107,192	108,313	109,752	110,375	110,540	110,779	1,068,587
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)		56,518	56,387	56,252	56,114	77,053	109,312	107,192	108,313	109,752	110,375	110,540	110,779	1,068,587
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)		\$56,518	\$56,387	\$56,252	\$56,114	\$77,053	\$109,312	\$107,192	\$108,313	\$109,752	\$110,375	\$110,540	\$110,779	\$1,068,587

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.45
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

Form 42-8E  
 Page 2 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734
3.	Less: Accumulated Depreciation	(3,210,818)	(3,226,959)	(3,243,100)	(3,259,241)	(3,275,382)	(3,291,523)	(3,307,664)	(3,323,805)	(3,339,946)	(3,356,087)	(3,372,228)	(3,388,369)	(3,404,510)	(3,404,510)
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)	\$1,806,916	1,790,775	1,774,634	1,758,493	1,742,352	1,726,211	1,710,070	1,693,929	1,677,788	1,661,647	1,645,506	1,629,365	1,613,224	
6.	Average Net Investment		1,798,846	1,782,705	1,766,564	1,750,423	1,734,282	1,718,141	1,702,000	1,685,859	1,669,718	1,653,577	1,637,436	1,621,295	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		11,796	11,691	11,585	11,479	11,373	11,267	11,134	11,028	10,923	10,817	10,712	10,606	\$134,411
b.	Debt Component Grossed Up For Taxes (C)		4,135	4,098	4,060	4,023	3,986	3,949	3,160	3,130	3,100	3,070	3,040	3,010	42,761
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)		32,072	31,930	31,786	31,643	31,500	31,357	30,435	30,299	30,164	30,028	29,893	29,757	370,864
a.	Recoverable Costs Allocated to Energy		32,072	31,930	31,786	31,643	31,500	31,357	30,435	30,299	30,164	30,028	29,893	29,757	370,864
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)		32,072	31,930	31,786	31,643	31,500	31,357	30,435	30,299	30,164	30,028	29,893	29,757	370,864
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)		\$32,072	\$31,930	\$31,786	\$31,643	\$31,500	\$31,357	\$30,435	\$30,299	\$30,164	\$30,028	\$29,893	\$29,757	\$370,864

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$2,676,217) and 312.42 (\$2,341,517)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

19

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	(403,565)	(405,875)	(408,185)	(410,495)	(412,805)	(415,115)	(417,425)	(419,735)	(422,045)	(424,355)	(426,665)	(428,975)	(431,285)	(431,285)
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)	\$462,646	460,336	458,026	455,716	453,406	451,096	448,786	446,476	444,166	441,856	439,546	437,236	434,926	
6.	Average Net Investment		461,491	459,181	456,871	454,561	452,251	449,941	447,631	445,321	443,011	440,701	438,391	436,081	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		3,026	3,011	2,996	2,981	2,966	2,951	2,928	2,913	2,898	2,883	2,868	2,853	\$35,274
b.	Debt Component Grossed Up For Taxes (C)		1,061	1,055	1,050	1,045	1,039	1,034	831	827	823	818	814	810	11,207
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)		6,397	6,376	6,356	6,336	6,315	6,295	6,069	6,050	6,031	6,011	5,992	5,973	74,201
a.	Recoverable Costs Allocated to Energy		6,397	6,376	6,356	6,336	6,315	6,295	6,069	6,050	6,031	6,011	5,992	5,973	74,201
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)		6,397	6,376	6,356	6,336	6,315	6,295	6,069	6,050	6,031	6,011	5,992	5,973	74,201
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)		\$6,397	\$6,376	\$6,356	\$6,336	\$6,315	\$6,295	\$6,069	\$6,050	\$6,031	\$6,011	\$5,992	\$5,973	\$74,201

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 315.44
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 3 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42-8E  
 Page 4 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	(189,352)	(190,762)	(192,172)	(193,582)	(194,992)	(196,402)	(197,812)	(199,222)	(200,632)	(202,042)	(203,452)	(204,862)	(206,272)	(206,272)
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)	\$308,226	306,816	305,406	303,996	302,586	301,176	299,766	298,356	296,946	295,536	294,126	292,716	291,306	
6.	Average Net Investment		307,521	306,111	304,701	303,291	301,881	300,471	299,061	297,651	296,241	294,831	293,421	292,011	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		2,017	2,007	1,998	1,989	1,980	1,970	1,956	1,947	1,938	1,929	1,919	1,910	\$23,560
b.	Debt Component Grossed Up For Taxes (C)		707	704	700	697	694	691	555	553	550	547	545	542	7,485
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)		4,134	4,121	4,108	4,096	4,084	4,071	3,921	3,910	3,898	3,886	3,874	3,862	47,965
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		4,134	4,121	4,108	4,096	4,084	4,071	3,921	3,910	3,898	3,886	3,874	3,862	47,965
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)		4,134	4,121	4,108	4,096	4,084	4,071	3,921	3,910	3,898	3,886	3,874	3,862	47,965
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$4,134	\$4,121	\$4,108	\$4,096	\$4,084	\$4,071	\$3,921	\$3,910	\$3,898	\$3,886	\$3,874	\$3,862	\$47,965

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

21

DOCKET NO. 130007-1E1  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 4 OF 25



**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	\$818,401
3.	Less: Accumulated Depreciation	(311,452)	(313,771)	(316,090)	(318,409)	(320,728)	(323,047)	(325,366)	(327,685)	(330,004)	(332,323)	(334,642)	(336,961)	(339,280)	(339,280)
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)	\$506,949	504,630	502,311	499,992	497,673	495,354	493,035	490,716	488,397	486,078	483,759	481,440	479,121	479,121
6.	Average Net Investment		505,790	503,471	501,152	498,833	496,514	494,195	491,876	489,557	487,238	484,919	482,600	480,281	480,281
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		3,317	3,302	3,286	3,271	3,256	3,241	3,218	3,203	3,187	3,172	3,157	3,142	\$38,752
b.	Debt Component Grossed Up For Taxes (C)		1,163	1,157	1,152	1,147	1,141	1,136	913	909	905	900	896	892	12,311
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)		6,799	6,778	6,757	6,737	6,716	6,696	6,450	6,431	6,411	6,391	6,372	6,353	78,891
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		6,799	6,778	6,757	6,737	6,716	6,696	6,450	6,431	6,411	6,391	6,372	6,353	78,891
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	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	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)		6,799	6,778	6,757	6,737	6,716	6,696	6,450	6,431	6,411	6,391	6,372	6,353	78,891
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$6,799	\$6,778	\$6,757	\$6,737	\$6,716	\$6,696	\$6,450	\$6,431	\$6,411	\$6,391	\$6,372	\$6,353	\$78,891

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 5 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42-8E  
 Page 6 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257
3.	Less: Accumulated Depreciation	(658,568)	(662,956)	(667,344)	(671,732)	(676,120)	(680,508)	(684,896)	(689,284)	(693,672)	(698,060)	(702,448)	(706,836)	(711,224)	
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)	\$657,689	653,301	648,913	644,525	640,137	635,749	631,361	626,973	622,585	618,197	613,809	609,421	605,033	
6.	Average Net Investment		655,495	651,107	646,719	642,331	637,943	633,555	629,167	624,779	620,391	616,003	611,615	607,227	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		4,299	4,270	4,241	4,212	4,183	4,155	4,116	4,087	4,058	4,030	4,001	3,972	\$49,624
b.	Debt Component Grossed Up For Taxes (C)		1,507	1,497	1,486	1,476	1,466	1,456	1,168	1,160	1,152	1,144	1,136	1,127	15,775
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)		10,194	10,155	10,115	10,076	10,037	9,999	9,672	9,635	9,598	9,562	9,525	9,487	118,055
a.	Recoverable Costs Allocated to Energy		10,194	10,155	10,115	10,076	10,037	9,999	9,672	9,635	9,598	9,562	9,525	9,487	118,055
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)		10,194	10,155	10,115	10,076	10,037	9,999	9,672	9,635	9,598	9,562	9,525	9,487	118,055
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$10,194	\$10,155	\$10,115	\$10,076	\$10,037	\$9,999	\$9,672	\$9,635	\$9,598	\$9,562	\$9,525	\$9,487	\$118,055

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 6 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	(496,710)	(499,746)	(502,782)	(505,818)	(508,854)	(511,890)	(514,926)	(517,962)	(520,998)	(524,034)	(527,070)	(530,106)	(533,142)	
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)	\$488,084	485,048	482,012	478,976	475,940	472,904	469,868	466,832	463,796	460,760	457,724	454,688	451,652	
6.	Average Net Investment		486,566	483,530	480,494	477,458	474,422	471,386	468,350	465,314	462,278	459,242	456,206	453,170	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		3,191	3,171	3,151	3,131	3,111	3,091	3,064	3,044	3,024	3,004	2,984	2,965	\$36,931
b.	Debt Component Grossed Up For Taxes (C)		1,118	1,111	1,104	1,097	1,090	1,083	870	864	858	853	847	841	11,736
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)		7,345	7,318	7,291	7,264	7,237	7,210	6,970	6,944	6,918	6,893	6,867	6,842	85,099
a.	Recoverable Costs Allocated to Energy		7,345	7,318	7,291	7,264	7,237	7,210	6,970	6,944	6,918	6,893	6,867	6,842	85,099
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)		7,345	7,318	7,291	7,264	7,237	7,210	6,970	6,944	6,918	6,893	6,867	6,842	85,099
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$7,345	\$7,318	\$7,291	\$7,264	\$7,237	\$7,210	\$6,970	\$6,944	\$6,918	\$6,893	\$6,867	\$6,842	\$85,099

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013**

Form 42-8E  
 Page 8 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	\$120,737
3.	Less: Accumulated Depreciation	(34,387)	(34,679)	(34,971)	(35,263)	(35,555)	(35,847)	(36,139)	(36,431)	(36,723)	(37,015)	(37,307)	(37,599)	(37,891)	(37,891)
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)	<u>\$86,350</u>	<u>86,058</u>	<u>85,766</u>	<u>85,474</u>	<u>85,182</u>	<u>84,890</u>	<u>84,598</u>	<u>84,306</u>	<u>84,014</u>	<u>83,722</u>	<u>83,430</u>	<u>83,138</u>	<u>82,846</u>	
6.	Average Net Investment		86,204	85,912	85,620	85,328	85,036	84,744	84,452	84,160	83,868	83,576	83,284	82,992	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		565	563	561	560	558	556	552	551	549	547	545	543	\$6,650
b.	Debt Component Grossed Up For Taxes (C)		198	197	197	196	195	195	157	156	156	155	155	154	2,111
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)		1,055	1,052	1,050	1,048	1,045	1,043	1,001	999	997	994	992	989	12,265
a.	Recoverable Costs Allocated to Energy		1,055	1,052	1,050	1,048	1,045	1,043	1,001	999	997	994	992	989	12,265
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)		1,055	1,052	1,050	1,048	1,045	1,043	1,001	999	997	994	992	989	12,265
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		<u>\$1,055</u>	<u>\$1,052</u>	<u>\$1,050</u>	<u>\$1,048</u>	<u>\$1,045</u>	<u>\$1,043</u>	<u>\$1,001</u>	<u>\$999</u>	<u>\$997</u>	<u>\$994</u>	<u>\$992</u>	<u>\$989</u>	<u>\$12,265</u>

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.40
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.57% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013**

Form 42-8E  
 Page 9 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$225	\$36,710	\$2,615	\$980	\$208,821	\$4,340	\$3,165	\$6,404	\$160,710	\$101,087	\$340,205	\$128,147	\$993,407
b.	Clearings to Plant		47	47	94,850	(141)	132,083	209	233	1,000	1,615,213	44,090	36,122	1,022,332	2,946,084
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		275,408	44,056	28,698	330,975	134,630	29,412	6,966	340,557	40,309	49,503	46,523	0	1,327,036
2.	Plant-in-Service/Depreciation Base (A)	\$89,279,737	\$89,279,784	\$89,279,831	\$89,374,680	\$89,374,540	\$89,506,623	\$89,506,831	\$89,507,064	\$89,508,064	\$91,123,277	\$91,167,367	\$91,203,489	\$92,225,821	
3.	Less: Accumulated Depreciation	(39,724,503)	(39,970,022)	(40,215,541)	(40,461,061)	(40,706,841)	(40,952,621)	(41,198,764)	(41,444,908)	(41,691,052)	(41,937,199)	(42,187,788)	(42,438,498)	(42,689,308)	
4.	CWIP - Non-Interest Bearing	2,969	3,147	39,811	42,378	43,498	120,236	124,367	127,299	132,703	143,703	200,700	504,783	\$0	
5.	Net Investment (Lines 2 + 3 + 4)	\$49,558,204	\$49,312,909	\$49,104,101	\$48,955,998	\$48,711,197	\$48,674,238	\$48,432,435	\$48,189,456	\$47,949,716	\$49,329,782	\$49,180,280	\$49,269,775	\$49,536,514	
6.	Average Net Investment		49,435,556	49,208,505	49,030,049	48,833,597	48,692,718	48,553,336	48,310,945	48,069,586	48,639,749	49,255,031	49,225,027	49,403,144	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		324,186	322,697	321,527	320,239	319,315	318,401	316,038	314,459	318,189	322,214	322,018	323,183	\$3,842,466
b.	Debt Component Grossed Up For Taxes (C)		113,628	113,106	112,696	112,244	111,920	111,600	89,701	89,253	90,312	91,454	91,399	91,729	1,219,042
8.	Investment Expenses														
a.	Depreciation (D)		245,519	245,519	245,520	245,780	245,780	246,143	246,144	246,144	246,147	250,589	250,710	250,810	2,964,805
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)	683,333	681,322	679,743	678,263	677,015	676,144	651,883	649,856	654,648	664,257	664,127	665,722	665,722	8,026,313
a.	Recoverable Costs Allocated to Energy	683,333	681,322	679,743	678,263	677,015	676,144	651,883	649,856	654,648	664,257	664,127	665,722	665,722	8,026,313
b.	Recoverable Costs Allocated to Demand	0	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)	683,333	681,322	679,743	678,263	677,015	676,144	651,883	649,856	654,648	664,257	664,127	665,722	665,722	8,026,313
13.	Retail Demand-Related Recoverable Costs (F)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	\$683,333	\$681,322	\$679,743	\$678,263	\$677,015	\$676,144	\$651,883	\$649,856	\$654,648	\$664,257	\$664,127	\$665,722	\$665,722	\$8,026,313

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.46
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 9 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2013 to December 2013**

Form 42-8E  
 Page 10 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	
3.	Less: Accumulated Depreciation	(6,074,485)	(6,119,759)	(6,165,033)	(6,210,307)	(6,255,581)	(6,300,855)	(6,346,129)	(6,391,403)	(6,436,677)	(6,481,951)	(6,527,225)	(6,572,499)	(6,617,773)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$15,665,252	\$15,619,978	\$15,574,704	\$15,529,430	\$15,484,156	\$15,438,882	\$15,393,608	\$15,348,334	\$15,303,060	\$15,257,786	\$15,212,512	\$15,167,238	\$15,121,964	
6.	Average Net Investment		15,642,615	15,597,341	15,552,067	15,506,793	15,461,519	15,416,245	15,370,971	15,325,697	15,280,423	15,235,149	15,189,875	15,144,601	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		102,580	102,283	101,987	101,690	101,393	101,096	100,553	100,257	99,961	99,665	99,368	99,072	\$1,209,905
b.	Debt Component Grossed Up For Taxes (C)		35,955	35,850	35,746	35,642	35,538	35,434	28,540	28,456	28,372	28,288	28,204	28,120	384,145
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)		183,809	183,407	183,007	182,606	182,205	181,804	174,367	173,987	173,607	173,227	172,846	172,466	2,137,338
a.	Recoverable Costs Allocated to Energy		183,809	183,407	183,007	182,606	182,205	181,804	174,367	173,987	173,607	173,227	172,846	172,466	2,137,338
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)		183,809	183,407	183,007	182,606	182,205	181,804	174,367	173,987	173,607	173,227	172,846	172,466	2,137,338
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)		\$183,809	\$183,407	\$183,007	\$182,606	\$182,205	\$181,804	\$174,367	\$173,987	\$173,607	\$173,227	\$172,846	\$172,466	\$2,137,338

**Notes:**

- (A) Applicable depreciable base for Big Bend, accounts 312.45 (\$21,699,919) and 311.45 (\$39,818)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 10 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Actual November	Estimated 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	2,483,019	2,472,835	2,462,651	2,452,467	2,442,283	2,432,099	2,421,915	2,411,731	2,401,547	2,391,363	2,381,179	2,370,995	2,360,811	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$5,673,871	5,663,687	5,653,503	5,643,319	5,633,135	5,622,951	5,612,767	5,602,583	5,592,399	5,582,215	5,572,031	5,561,847	5,551,663	
6.	Average Net Investment		5,668,779	5,658,595	5,648,411	5,638,227	5,628,043	5,617,859	5,607,675	5,597,491	5,587,307	5,577,123	5,566,939	5,556,755	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		37,174	37,108	37,041	36,974	36,907	36,841	36,684	36,617	36,551	36,484	36,418	36,351	\$441,150
b.	Debt Component Grossed Up For Taxes (C)		13,030	13,006	12,983	12,959	12,936	12,913	10,412	10,393	10,374	10,355	10,336	10,318	140,015
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)		60,388	60,298	60,208	60,117	60,027	59,938	57,280	57,194	57,109	57,023	56,938	56,853	703,373
a.	Recoverable Costs Allocated to Energy		60,388	60,298	60,208	60,117	60,027	59,938	57,280	57,194	57,109	57,023	56,938	56,853	703,373
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)		60,388	60,298	60,208	60,117	60,027	59,938	57,280	57,194	57,109	57,023	56,938	56,853	703,373
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)		\$60,388	\$60,298	\$60,208	\$60,117	\$60,027	\$59,938	\$57,280	\$57,194	\$57,109	\$57,023	\$56,938	\$56,853	\$703,373

**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 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$275,965	\$977,074	\$925,312	\$1,044,333	\$903,630	\$185,432	(\$229,004)	\$21,816	\$6,000	\$7,000	\$0	\$89,000	\$4,206,558
b.	Clearings to Plant		0	0	0	0	6,599,694	185,166	(229,269)	21,816	6,000	7,000	0	0	\$6,590,407
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)	\$8,519,606	\$8,519,606	\$8,519,606	\$8,519,606	\$8,519,606	\$15,119,300	\$15,304,466	\$15,075,197	\$15,097,013	\$15,103,013	\$15,110,013	\$15,110,013	\$15,110,013	
3.	Less: Accumulated Depreciation	(2,038,295)	(2,064,590)	(2,090,885)	(2,117,180)	(2,143,475)	(2,169,770)	(2,215,314)	(2,261,398)	(2,306,814)	(2,352,293)	(2,397,790)	(2,443,307)	(2,488,824)	
4.	CWIP - Non-Interest Bearing	2,474,266	2,750,231	3,727,305	4,652,616	5,696,949	885	1,152	1,417	1,417	1,417	1,417	1,417	1,417	90,417
5.	Net Investment (Lines 2 + 3 + 4)	\$8,955,577	9,205,247	10,156,026	11,055,043	12,073,080	12,950,415	13,090,304	12,815,216	12,791,616	12,752,137	12,713,640	12,668,123	12,711,606	
6.	Average Net Investment		9,080,412	9,680,636	10,605,534	11,564,061	12,511,748	13,020,360	12,952,760	12,803,416	12,771,876	12,732,888	12,690,881	12,689,864	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		59,547	63,483	69,548	75,834	82,049	85,384	84,734	83,757	83,550	83,295	83,021	83,014	\$937,216
b.	Debt Component Grossed Up For Taxes (C)		20,871	22,251	24,377	26,580	28,758	29,927	24,050	23,773	23,714	23,642	23,564	23,562	295,069
8.	Investment Expenses														
a.	Depreciation (D)		26,295	26,295	26,295	26,295	26,295	45,544	46,084	45,416	45,479	45,497	45,517	45,517	450,529
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)		106,713	112,029	120,220	128,709	137,102	160,855	154,868	152,946	152,743	152,434	152,102	152,093	1,682,814
a.	Recoverable Costs Allocated to Energy		106,713	112,029	120,220	128,709	137,102	160,855	154,868	152,946	152,743	152,434	152,102	152,093	1,682,814
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)		106,713	112,029	120,220	128,709	137,102	160,855	154,868	152,946	152,743	152,434	152,102	152,093	1,682,814
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)		\$106,713	\$112,029	\$120,220	\$128,709	\$137,102	\$160,855	\$154,868	\$152,946	\$152,743	\$152,434	\$152,102	\$152,093	\$1,682,814

**Notes:**

- (A) Applicable depreciable base for Big Bend, accounts 312.41 (\$1,513,263), 312.42 (\$5,153,072), 312.43 (\$7,546,026), 315.41 (\$17,504), 315.44 (\$351,594), and 315.43 (\$528,554)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013**

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Cleanings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473
3.	Less: Accumulated Depreciation	(470,970)	(475,394)	(479,818)	(484,242)	(488,666)	(493,090)	(497,514)	(501,938)	(506,362)	(510,786)	(515,210)	(519,634)	(524,058)	(524,058)
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)	\$1,090,503	1,086,079	1,081,655	1,077,231	1,072,807	1,068,383	1,063,959	1,059,535	1,055,111	1,050,687	1,046,263	1,041,839	1,037,415	
6.	Average Net Investment		1,088,291	1,083,867	1,079,443	1,075,019	1,070,595	1,066,171	1,061,747	1,057,323	1,052,899	1,048,475	1,044,051	1,039,627	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		7,137	7,108	7,079	7,050	7,021	6,992	6,966	6,917	6,888	6,859	6,830	6,801	\$83,628
b.	Debt Component Grossed Up For Taxes (C)		2,501	2,491	2,481	2,471	2,461	2,451	1,971	1,963	1,955	1,947	1,939	1,930	26,561
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)		14,062	14,023	13,984	13,945	13,906	13,867	13,341	13,304	13,267	13,230	13,193	13,155	163,277
a.	Recoverable Costs Allocated to Energy		14,062	14,023	13,984	13,945	13,906	13,867	13,341	13,304	13,267	13,230	13,193	13,155	163,277
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)		14,062	14,023	13,984	13,945	13,906	13,867	13,341	13,304	13,267	13,230	13,193	13,155	163,277
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)		\$14,062	\$14,023	\$13,984	\$13,945	\$13,906	\$13,867	\$13,341	\$13,304	\$13,267	\$13,230	\$13,193	\$13,155	\$163,277

**Notes:**

- (A) Applicable depreciable base for Polk; account 342.81
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

Form 42-8E  
 Page 14 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	(525,614)	(532,011)	(538,408)	(544,805)	(551,202)	(557,599)	(563,996)	(570,393)	(576,790)	(583,187)	(589,584)	(595,981)	(602,378)	
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)	\$2,033,116	2,026,719	2,020,322	2,013,925	2,007,528	2,001,131	1,994,734	1,988,337	1,981,940	1,975,543	1,969,146	1,962,749	1,956,352	
6.	Average Net Investment		2,029,918	2,023,521	2,017,124	2,010,727	2,004,330	1,997,933	1,991,536	1,985,139	1,978,742	1,972,345	1,965,948	1,959,551	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		13,312	13,270	13,228	13,186	13,144	13,102	13,028	12,986	12,944	12,903	12,861	12,819	\$156,783
b.	Debt Component Grossed Up For Taxes (C)		4,666	4,651	4,636	4,622	4,607	4,592	3,698	3,686	3,674	3,662	3,650	3,638	49,782
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)		24,375	24,318	24,261	24,205	24,148	24,091	23,123	23,069	23,015	22,962	22,908	22,854	283,329
a.	Recoverable Costs Allocated to Energy		24,375	24,318	24,261	24,205	24,148	24,091	23,123	23,069	23,015	22,962	22,908	22,854	283,329
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)		24,375	24,318	24,261	24,205	24,148	24,091	23,123	23,069	23,015	22,962	22,908	22,854	283,329
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$24,375	\$24,318	\$24,261	\$24,205	\$24,148	\$24,091	\$23,123	\$23,069	\$23,015	\$22,962	\$22,908	\$22,854	\$283,329

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.44
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

31

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 14 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121	\$1,649,121
3.	Less: Accumulated Depreciation	(335,809)	(341,306)	(346,803)	(352,300)	(357,797)	(363,294)	(368,791)	(374,288)	(379,785)	(385,282)	(390,779)	(396,276)	(401,773)	(401,773)
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$1,313,312	1,307,815	1,302,318	1,296,821	1,291,324	1,285,827	1,280,330	1,274,833	1,269,336	1,263,839	1,258,342	1,252,845	1,247,348	
6.	Average Net Investment		1,310,564	1,305,067	1,299,570	1,294,073	1,288,576	1,283,079	1,277,582	1,272,085	1,266,588	1,261,091	1,255,594	1,250,097	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		8,594	8,558	8,522	8,486	8,450	8,414	8,358	8,322	8,286	8,250	8,214	8,178	\$100,632
b.	Debt Component Grossed Up For Taxes (C)		3,012	3,000	2,987	2,974	2,962	2,949	2,372	2,362	2,352	2,342	2,331	2,321	31,964
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)		17,103	17,055	17,006	16,957	16,909	16,860	16,227	16,181	16,135	16,089	16,042	15,996	198,560
a.	Recoverable Costs Allocated to Energy		17,103	17,055	17,006	16,957	16,909	16,860	16,227	16,181	16,135	16,089	16,042	15,996	198,560
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)		17,103	17,055	17,006	16,957	16,909	16,860	16,227	16,181	16,135	16,089	16,042	15,996	198,560
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)		\$17,103	\$17,055	\$17,006	\$16,957	\$16,909	\$16,860	\$16,227	\$16,181	\$16,135	\$16,089	\$16,042	\$15,996	\$198,560

Notes:

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	\$1,581,887
3.	Less: Accumulated Depreciation	(301,700)	(306,577)	(311,454)	(316,331)	(321,208)	(326,085)	(330,962)	(335,839)	(340,716)	(345,593)	(350,470)	(355,347)	(360,224)	
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)	<u>\$1,280,187</u>	<u>1,275,310</u>	<u>1,270,433</u>	<u>1,265,556</u>	<u>1,260,679</u>	<u>1,255,802</u>	<u>1,250,925</u>	<u>1,246,048</u>	<u>1,241,171</u>	<u>1,236,294</u>	<u>1,231,417</u>	<u>1,226,540</u>	<u>1,221,663</u>	
6.	Average Net Investment		1,277,749	1,272,872	1,267,995	1,263,118	1,258,241	1,253,364	1,248,487	1,243,610	1,238,733	1,233,856	1,228,979	1,224,102	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		8,379	8,347	8,315	8,283	8,251	8,219	8,167	8,135	8,103	8,072	8,040	8,008	\$98,319
b.	Debt Component Grossed Up For Taxes (C)		2,937	2,926	2,914	2,903	2,892	2,881	2,318	2,309	2,300	2,291	2,282	2,273	31,226
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)		16,193	16,150	16,106	16,063	16,020	15,977	15,362	15,321	15,280	15,240	15,199	15,158	188,069
a.	Recoverable Costs Allocated to Energy		16,193	16,150	16,106	16,063	16,020	15,977	15,362	15,321	15,280	15,240	15,199	15,158	188,069
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)		16,193	16,150	16,106	16,063	16,020	15,977	15,362	15,321	15,280	15,240	15,199	15,158	188,069
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		<u>\$16,193</u>	<u>\$16,150</u>	<u>\$16,106</u>	<u>\$16,063</u>	<u>\$16,020</u>	<u>\$15,977</u>	<u>\$15,362</u>	<u>\$15,321</u>	<u>\$15,280</u>	<u>\$15,240</u>	<u>\$15,199</u>	<u>\$15,158</u>	<u>\$188,069</u>

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507
3.	Less: Accumulated Depreciation	(355,022)	(362,975)	(370,928)	(378,881)	(386,834)	(394,787)	(402,740)	(410,693)	(418,646)	(426,599)	(434,552)	(442,505)	(450,458)	(450,458)
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)	\$2,351,485	2,343,532	2,335,579	2,327,626	2,319,673	2,311,720	2,303,767	2,295,814	2,287,861	2,279,908	2,271,955	2,264,002	2,256,049	
6.	Average Net Investment		2,347,509	2,339,556	2,331,603	2,323,650	2,315,697	2,307,744	2,299,791	2,291,838	2,283,885	2,275,932	2,267,979	2,260,026	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		15,394	15,342	15,290	15,238	15,186	15,134	15,045	14,993	14,941	14,889	14,837	14,785	\$181,074
b.	Debt Component Grossed Up For Taxes (C)		5,396	5,377	5,359	5,341	5,323	5,304	4,270	4,255	4,241	4,226	4,211	4,196	57,499
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)		28,743	28,672	28,602	28,532	28,462	28,391	27,268	27,201	27,135	27,068	27,001	26,934	334,009
a.	Recoverable Costs Allocated to Energy		28,743	28,672	28,602	28,532	28,462	28,391	27,268	27,201	27,135	27,068	27,001	26,934	334,009
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)		28,743	28,672	28,602	28,532	28,462	28,391	27,268	27,201	27,135	27,068	27,001	26,934	334,009
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)		\$28,743	\$28,672	\$28,602	\$28,532	\$28,462	\$28,391	\$27,268	\$27,201	\$27,135	\$27,068	\$27,001	\$26,934	\$334,009

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.43 (\$1,995,677) and 315.43 (\$710,830)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

34

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 17 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$141	\$0	\$440,460	\$2,971	\$1,120	\$93,941	\$0	\$0	\$0	\$181,859	\$1,027,629	\$1,748,121
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	1,748,121	\$1,748,121
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)	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$85,847,435	
3.	Less: Accumulated Depreciation	(10,392,573)	(10,695,935)	(10,999,297)	(11,302,659)	(11,606,021)	(11,909,383)	(12,212,745)	(12,516,107)	(12,819,469)	(13,122,831)	(13,426,193)	(13,729,555)	(14,032,917)	
4.	CWIP - Non-Interest Bearing	0	0	141	141	440,601	443,572	444,692	538,633	538,633	538,633	538,633	538,633	720,492	0
5.	Net Investment (Lines 2 + 3 + 4)	\$73,706,741	73,403,379	73,100,158	72,796,796	72,933,893	72,633,503	72,331,261	72,121,840	71,818,478	71,515,116	71,211,754	71,090,251	71,814,518	
6.	Average Net Investment		73,555,060	73,251,768	72,948,477	72,865,345	72,783,698	72,482,382	72,226,551	71,970,159	71,666,797	71,363,435	71,151,003	71,452,385	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		482,356	480,367	478,378	477,833	477,297	475,321	472,488	470,811	468,826	466,842	465,452	467,424	\$5,683,395
b.	Debt Component Grossed Up For Taxes (C)		169,066	168,369	167,672	167,481	167,293	166,601	134,107	133,631	133,067	132,504	132,110	132,669	1,804,570
8.	Investment Expenses														
a.	Depreciation (D)		303,362	303,362	303,362	303,362	303,362	303,362	303,362	303,362	303,362	303,362	303,362	303,362	3,640,344
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)		954,784	952,098	949,412	948,676	947,952	945,284	909,957	907,804	905,255	902,708	900,924	903,455	11,128,309
a.	Recoverable Costs Allocated to Energy		954,784	952,098	949,412	948,676	947,952	945,284	909,957	907,804	905,255	902,708	900,924	903,455	11,128,309
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)		954,784	952,098	949,412	948,676	947,952	945,284	909,957	907,804	905,255	902,708	900,924	903,455	11,128,309
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)		\$954,784	\$952,098	\$949,412	\$948,676	\$947,952	\$945,284	\$909,957	\$907,804	\$905,255	\$902,708	\$900,924	\$903,455	\$11,128,309

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.51 (\$22,278,982), 312.51 (\$48,658,005), 315.51 (\$14,063,245), and 316.51 (\$847,203).
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

Form 42-BE  
 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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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)	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412	\$93,776,412
3.	Less: Accumulated Depreciation	(12,498,395)	(12,601,566)	(13,104,737)	(13,407,908)	(13,711,079)	(14,014,250)	(14,317,421)	(14,620,592)	(14,923,763)	(15,226,934)	(15,530,105)	(15,833,276)	(16,136,447)	(16,136,447)
4.	CIWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	<b>\$81,278,017</b>	<b>80,974,846</b>	<b>80,671,675</b>	<b>80,368,504</b>	<b>80,065,333</b>	<b>79,762,162</b>	<b>79,458,991</b>	<b>79,155,820</b>	<b>78,852,649</b>	<b>78,549,478</b>	<b>78,246,307</b>	<b>77,943,136</b>	<b>77,639,965</b>	
6.	Average Net Investment		81,126,431	80,823,260	80,520,089	80,216,918	79,913,747	79,610,576	79,307,405	79,004,234	78,701,063	78,397,892	78,094,721	77,791,550	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		532,007	530,019	528,031	526,042	524,054	522,066	518,809	516,826	514,843	512,859	510,876	508,893	\$6,245,325
b.	Debt Component Grossed Up For Taxes (C)		186,469	185,772	185,075	184,379	183,682	182,985	147,254	146,691	146,128	145,565	145,002	144,439	1,983,441
8.	Investment Expenses														
a.	Depreciation (D)		303,171	303,171	303,171	303,171	303,171	303,171	303,171	303,171	303,171	303,171	303,171	303,171	3,638,052
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)		1,021,647	1,018,962	1,016,277	1,013,592	1,010,907	1,008,222	969,234	966,688	964,142	961,595	959,049	956,503	11,866,818
a.	Recoverable Costs Allocated to Energy		1,021,647	1,018,962	1,016,277	1,013,592	1,010,907	1,008,222	969,234	966,688	964,142	961,595	959,049	956,503	11,866,818
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)		1,021,647	1,018,962	1,016,277	1,013,592	1,010,907	1,008,222	969,234	966,688	964,142	961,595	959,049	956,503	11,866,818
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)		<b>\$1,021,647</b>	<b>\$1,018,962</b>	<b>\$1,016,277</b>	<b>\$1,013,592</b>	<b>\$1,010,907</b>	<b>\$1,008,222</b>	<b>\$969,234</b>	<b>\$966,688</b>	<b>\$964,142</b>	<b>\$961,595</b>	<b>\$959,049</b>	<b>\$956,503</b>	<b>\$11,866,818</b>

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.52 (\$25,208,869), 312.52(\$51,694,500), 315.52 (\$15,914,427), and 316.52 (\$958,616).
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 19 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2013 to December 2013**

Form 42-8E  
 Page 20 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		2,044	\$432	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,476
b.	Clearings to Plant		204,368	432	0	0	0	0	0	0	0	0	0	0	204,800
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)	\$80,165,087	\$80,369,455	\$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	(13,045,725)	(13,292,600)	(13,540,139)	(13,787,680)	(14,035,221)	(14,282,762)	(14,530,303)	(14,777,844)	(15,025,385)	(15,272,926)	(15,520,467)	(15,768,008)	(16,015,549)	
4.	CWIP - Non-Interest Bearing	202,324	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$67,321,686	\$67,076,855	\$66,829,748	\$66,582,207	\$66,334,666	\$66,087,125	\$65,839,584	\$65,592,043	\$65,344,502	\$65,096,961	\$64,849,420	\$64,601,879	\$64,354,338	
6.	Average Net Investment		67,199,271	66,953,302	66,705,978	66,458,437	66,210,896	65,963,355	65,715,814	65,468,273	65,220,732	64,973,191	64,725,650	64,478,109	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		440,676	439,063	437,441	435,818	434,195	432,571	429,896	428,277	426,658	425,038	423,419	421,800	\$5,174,852
b.	Debt Component Grossed Up For Taxes (C)		154,458	153,892	153,324	152,755	152,186	151,617	122,018	121,558	121,099	120,639	120,179	119,720	1,643,445
8.	Investment Expenses														
a.	Depreciation (D)		246,875	247,539	247,541	247,541	247,541	247,541	247,541	247,541	247,541	247,541	247,541	247,541	2,969,824
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)		842,009	840,494	838,306	836,114	833,922	831,729	799,455	797,376	795,298	793,218	791,139	789,061	9,788,121
a.	Recoverable Costs Allocated to Energy		842,009	840,494	838,306	836,114	833,922	831,729	799,455	797,376	795,298	793,218	791,139	789,061	9,788,121
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)		842,009	840,494	838,306	836,114	833,922	831,729	799,455	797,376	795,298	793,218	791,139	789,061	9,788,121
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)		\$842,009	\$840,494	\$838,306	\$836,114	\$833,922	\$831,729	\$799,455	\$797,376	\$795,298	\$793,218	\$791,139	\$789,061	\$9,788,121

**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 (\$824,683).
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013**

Form 42-8E  
 Page 21 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$2,560	\$3,705	\$2,825	\$2,062	\$1,498	\$3,005	\$1,876	\$255,520	\$101,230	\$30,444	\$36,595	\$22,540	\$463,860
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	1,212,518	36,595	22,540	1,271,653
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	\$62,853,033	\$62,853,033	\$62,853,033	\$64,065,551	\$64,102,146	\$64,124,686	
3.	Less: Accumulated Depreciation	(11,546,903)	(11,726,871)	(11,906,839)	(12,086,807)	(12,266,775)	(12,446,743)	(12,626,711)	(12,806,679)	(12,986,647)	(13,166,615)	(13,346,583)	(13,530,290)	(13,714,109)	
4.	CWIP - Non-Interest Bearing	807,793	810,353	814,058	816,883	818,945	820,443	823,448	825,324	1,080,844	1,182,074	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$52,113,923	\$51,936,515	\$51,760,252	\$51,583,109	\$51,405,203	\$51,226,733	\$51,049,770	\$50,871,678	\$50,947,230	\$50,868,492	\$50,718,968	\$50,571,856	\$50,410,577	
6.	Average Net Investment		52,025,219	51,848,384	51,671,681	51,494,156	51,315,968	51,138,252	50,960,724	50,909,454	50,907,861	50,793,730	50,645,412	50,491,217	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		341,168	340,009	338,850	337,686	336,517	335,352	333,372	333,037	333,026	332,280	331,310	330,301	\$4,022,908
b.	Debt Component Grossed Up For Taxes (C)		119,580	119,174	118,767	118,359	117,950	117,541	94,621	94,526	94,523	94,311	94,036	93,750	1,277,138
8.	Investment Expenses														
a.	Depreciation (D)		179,968	179,968	179,968	179,968	179,968	179,968	179,968	179,968	179,968	179,968	183,707	183,819	2,167,206
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)		640,716	639,151	637,585	636,013	634,435	632,861	607,961	607,531	607,517	606,559	609,053	607,870	7,467,252
a.	Recoverable Costs Allocated to Energy		640,716	639,151	637,585	636,013	634,435	632,861	607,961	607,531	607,517	606,559	609,053	607,870	7,467,252
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)		640,716	639,151	637,585	636,013	634,435	632,861	607,961	607,531	607,517	606,559	609,053	607,870	7,467,252
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)		\$640,716	\$639,151	\$637,585	\$636,013	\$634,435	\$632,861	\$607,961	\$607,531	\$607,517	\$606,559	\$609,053	\$607,870	\$7,467,252

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.54 (\$16,857,250), 312.54 (\$34,665,822), 315.54 (\$10,642,027), 316.54 (\$687,934), and 315.40 (\$1,271,653).
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 2.4%, 3.6%, 3.9%, 3.3%, and 3.7%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

38

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
**January 2013 to December 2013**

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		(\$14,709)	\$10,612	(\$564)	\$358	\$1,336	\$597	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,370)
b.	Clearings to Plant		(14,709)	10,612	(564)	358	1,336	597	0	0	0	0	0	0	(\$2,370)
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)	\$24,295,107	\$24,280,398	\$24,291,009	\$24,290,445	\$24,290,803	\$24,292,139	\$24,292,736	\$24,292,736	\$24,292,736	\$24,292,736	\$24,292,736	\$24,292,736	\$24,292,736	
3.	Less: Accumulated Depreciation	(1,523,081)	(1,574,303)	(1,625,494)	(1,676,708)	(1,727,920)	(1,779,133)	(1,830,349)	(1,881,566)	(1,932,783)	(1,984,000)	(2,035,217)	(2,086,434)	(2,137,651)	
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)	\$22,772,026	22,706,095	22,665,515	22,613,737	22,562,883	22,513,006	22,462,387	22,411,170	22,359,953	22,308,736	22,257,519	22,206,302	22,155,085	
6.	Average Net Investment		22,739,060	22,685,805	22,639,626	22,588,310	22,537,944	22,487,696	22,436,779	22,385,562	22,334,345	22,283,128	22,231,911	22,180,694	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		149,117	148,768	148,465	148,128	147,798	147,469	146,776	146,441	146,106	145,771	145,436	145,101	\$1,765,376
b.	Debt Component Grossed Up For Taxes (C)		52,266	52,143	52,037	51,919	51,803	51,688	41,659	41,564	41,469	41,374	41,279	41,184	560,385
8.	Investment Expenses														
a.	Depreciation (D)		51,222	51,191	51,214	51,212	51,213	51,216	51,217	51,217	51,217	51,217	51,217	51,217	614,570
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)		252,605	252,102	251,716	251,259	250,814	250,373	239,652	239,222	238,792	238,362	237,932	237,502	2,940,331
a.	Recoverable Costs Allocated to Energy		252,605	252,102	251,716	251,259	250,814	250,373	239,652	239,222	238,792	238,362	237,932	237,502	2,940,331
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)		252,605	252,102	251,716	251,259	250,814	250,373	239,652	239,222	238,792	238,362	237,932	237,502	2,940,331
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)		\$252,605	\$252,102	\$251,716	\$251,259	\$250,814	\$250,373	\$239,652	\$239,222	\$238,792	\$238,362	\$237,932	\$237,502	\$2,940,331

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.45 (\$22,836,528) and 312.44 (\$1,456,209)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% 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 2013 to December 2013

Form 42-8E  
 Page 23 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$241,847	\$414,370	\$166,449	\$48,216	\$150,920	\$53,962	\$770,068	\$88,546	\$323,581	\$184,510	\$715,136	\$963,553	\$4,121,158
b.	Clearings to Plant		0	0	0	0	743,261	63,295	10,000	7,297	244,243	5,660	0	544,894	\$1,618,650
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)	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,912,314	\$1,975,609	\$1,985,609	\$1,992,906	\$2,237,149	\$2,242,809	\$2,242,809	\$2,787,703	
3.	Less: Accumulated Depreciation	(135,684)	(139,289)	(142,894)	(146,499)	(150,104)	(153,709)	(159,358)	(165,181)	(171,032)	(176,904)	(183,468)	(190,048)	(196,628)	
4.	CWIP - Non-Interest Bearing	138,258	380,105	794,475	960,924	1,009,140	416,799	407,466	1,167,534	1,248,783	1,328,121	1,506,971	2,222,107	2,640,766	
5.	Net Investment (Lines 2 + 3 + 4)	\$1,171,627	1,409,869	1,820,634	1,983,478	2,028,089	2,175,404	2,223,717	2,987,962	3,070,657	3,388,366	3,566,312	4,274,868	5,231,841	
6.	Average Net Investment		1,290,748	1,615,252	1,902,056	2,005,783	2,101,746	2,199,560	2,605,840	3,029,310	3,229,512	3,477,339	3,920,590	4,753,355	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		8,464	10,592	12,473	13,153	13,783	14,424	17,047	19,817	21,127	22,748	25,648	31,095	\$210,371
b.	Debt Component Grossed Up For Taxes (C)		2,967	3,713	4,372	4,610	4,831	5,056	4,838	5,625	5,996	6,457	7,280	8,826	64,571
8.	Investment Expenses														
a.	Depreciation (D)		3,605	3,605	3,605	3,605	3,605	5,649	5,823	5,851	5,872	6,564	6,580	6,580	60,944
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)		15,036	17,910	20,450	21,368	22,219	25,129	27,708	31,293	32,995	35,769	39,508	46,501	335,886
a.	Recoverable Costs Allocated to Energy		15,036	17,910	20,450	21,368	22,219	25,129	27,708	31,293	32,995	35,769	39,508	46,501	335,886
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)		15,036	17,910	20,450	21,368	22,219	25,129	27,708	31,293	32,995	35,769	39,508	46,501	335,886
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)		\$15,036	\$17,910	\$20,450	\$21,368	\$22,219	\$25,129	\$27,708	\$31,293	\$32,995	\$35,769	\$39,508	\$46,501	\$335,886

**Notes:**

- (A) Applicable depreciable base for Big Bend and Polk; accounts 315.40 (\$1,169,053), 315.41 (\$128,600), 315.42(\$128,600), 312.46 (\$1,288,155), 315.45 (\$36,648) and 315.46 (\$36,647)
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.7%, 3.5%, 3.3%, 3.3%, 3.1%, and 3.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

40

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 23 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42-8E  
 Page 24 of 25

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	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated 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	394	0	0	0	0	0	0	0	0	394
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	(37,445)	(37,406)	(37,406)	(37,406)	(37,195)	(37,195)	(37,195)	(37,093)	(36,989)	(36,892)	(36,803)	(36,713)	(36,626)	
3.	Total Working Capital Balance	(\$37,445)	(\$37,406)	(\$37,406)	(\$37,406)	(\$37,195)	(\$37,195)	(\$37,195)	(\$37,093)	(\$36,989)	(\$36,892)	(\$36,803)	(\$36,713)	(\$36,626)	
4.	Average Net Working Capital Balance		(\$37,426)	(\$37,406)	(\$37,406)	(\$37,301)	(\$37,195)	(\$37,195)	(\$37,144)	(\$37,041)	(\$36,941)	(\$36,847)	(\$36,758)	(\$36,670)	
5.	Return on Average Net Working Capital Balance														
	a. Equity Component Grossed Up For Taxes (A)		(245)	(245)	(245)	(245)	(244)	(244)	(243)	(242)	(242)	(241)	(240)	(240)	(2,916)
	b. Debt Component Grossed Up For Taxes (B)		(86)	(86)	(86)	(86)	(85)	(85)	(89)	(89)	(89)	(88)	(88)	(88)	(925)
6.	Total Return Component		(331)	(331)	(331)	(331)	(329)	(329)	(312)	(311)	(311)	(309)	(308)	(308)	(3,841)
7.	Expenses:														
	a. Gains		0	0	0	(394)	0	0	0	0	0	0	0	0	(394)
	b. Losses		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. SO <sub>2</sub> Allowance Expense		1,445	841	(451)	(392)	(90)	(23)	2,088	2,097	2,063	2,110	2,070	2,033	13,591
8.	Net Expenses (D)		1,445	841	(451)	(786)	(90)	(23)	2,088	2,097	2,063	2,110	2,070	2,033	13,197
9.	Total System Recoverable Expenses (Lines 6 + 8)		1,114	310	(782)	(1,117)	(419)	(352)	1,776	1,786	1,752	1,801	1,762	1,725	9,356
	a. Recoverable Costs Allocated to Energy		1,114	310	(782)	(1,117)	(419)	(352)	1,776	1,786	1,752	1,801	1,762	1,725	9,356
	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)		1,114	310	(782)	(1,117)	(419)	(352)	1,776	1,786	1,752	1,801	1,762	1,725	9,356
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)		\$1,114	\$310	(\$782)	(\$1,117)	(\$419)	(\$352)	\$1,776	\$1,786	\$1,752	\$1,801	\$1,762	\$1,725	\$9,356

**Notes:**

- (A) Line 4 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (B) Line 4 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (C) Line 6 is reported on Schedules 6E and 7A
- (D) Line 8 is reported on Schedules 4E and 5A
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

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

41

DOCKET NO. 130007-EI  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 24 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
 January 2013 to December 2013

Form 42-8E  
 Page 25 of 25

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other - AFUDC (excl from CWIP)		192,147	157,300	161,125	177,130	191,498	194,410	329,569	834,650	815,105	450,018	970,123	1,763,500	\$6,236,574
2.	Plant-in-Service/Depreciation Base (A)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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)	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Average Net Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		0	0	0	0	0	0	0	0	0	0	0	0	\$0
b.	Debt Component Grossed Up For Taxes (C)		0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Investment Expenses														
a.	Depreciation (D)		0	0	0	0	0	0	0	0	0	0	0	0	0
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)		0	0	0	0	0	0	0	0	0	0	0	0	0
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		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)		0	0	0	0	0	0	0	0	0	0	0	0	0
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)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 315.40
- (B) Line 6 x 7.8693% x 1/12 (Jan-Jun) and Line 6 x 7.8501% x 1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.7582% x 1/12 (Jan-Jun) and Line 6 x 2.2281% x 1/12 (Jul-Dec).
- (D) Applicable depreciation rate is 3.7%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

42

DOCKET NO. 130007-El  
 ECRC 2013 ACTUAL/ESTIMATED TRUE-UP  
 EXHIBIT HTB-2, DOCUMENT NO. 8, PAGE 25 OF 25

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
January 2013 to June 2013

Form 42 - 9E  
 Page 1 of 2

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

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2012 (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,488,583	39.08%	6.59%	2.5754%
Short Term Debt	9,122	0.24%	0.64%	0.0015%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	105,073	2.76%	6.21%	0.1714%
Common Equity	1,633,530	42.87%	11.25%	4.8229%
Deferred ITC - Weighted Cost	8,810	0.23%	9.00%	0.0207%
Accumulated Deferred Income Taxes Zero Cost ITCs	<u>564,424</u>	<u>14.82%</u>	0.00%	<u>0.0000%</u>
<b>Total</b>	<b>\$ <u>3,809,542</u></b>	<b><u>100.00%</u></b>		<b><u>7.5919%</u></b>

**ITC split between Debt and Equity:**

Long Term Debt	\$ 1,488,583	Long Term Debt	47.54%	
Short Term Debt	9,122	Short Term Debt	0.29%	47.83%
Equity - Preferred	0	Equity - Preferred	0.00%	
Equity - Common	<u>1,633,530</u>	Equity - Common	<u>52.17%</u>	52.17%
<b>Total</b>	<b>\$ <u>3,131,235</u></b>	<b>Total</b>	<b><u>100.00%</u></b>	

**Deferred ITC - Weighted Cost:**

Debt = .0239% * 46.04%	0.0099%
Equity = .0239% * 53.96%	<u>0.0108%</u>
Weighted Cost	<u>0.0207%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	4.8229%
Deferred ITC - Weighted Cost	<u>0.0108%</u>
	4.8337%
Times Tax Multiplier	1.628002
Total Equity Component	<u>7.8693%</u>

**Total Debt Cost Rate:**

Long Term Debt	2.5754%
Short Term Debt	0.0015%
Customer Deposits	0.1714%
Deferred ITC - Weighted Cost	<u>0.0099%</u>
Total Debt Component	<u>2.7582%</u>

10.6275%

**Notes:**

- Column (1) - From Order No. PSC-12-0425-EI, issued on August 16, 2012
- Column (2) - Column (1) / Total Column (1)
- Column (3) - From Order No. PSC-12-0425-EI, issued on August 16, 2012
- Column (4) - Column (2) x Column (3)

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Current Period Actual / Estimated Amount  
July 2013 to December 2013

Form 42 - 9E  
 Page 2 of 2

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

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2013 (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt .	\$ 1,425,239	37.00%	5.78%	2.14%
Short Term Debt	0	0.00%	0.66%	0.00%
Preferred Stock	0	0.00%	0.00%	0.00%
Customer Deposits	106,560	2.77%	2.91%	0.08%
Common Equity	1,647,409	42.77%	11.25%	4.81%
Deferred ITC - Weighted Cost	8,381	0.22%	8.71%	0.02%
Accumulated Deferred Income Taxes Zero Cost ITCs	<u>664,214</u>	<u>17.24%</u>	0.00%	<u>0.00%</u>
<b>Total</b>	<b>\$ <u>3,851,803</u></b>	<b><u>100.00%</u></b>		<b><u>7.05%</u></b>

**ITC split between Debt and Equity:**

Long Term Debt	\$ 1,425,239	Long Term Debt	46.38%
Short Term Debt	0	Short Term Debt	0.00%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>1,647,409</u>	Equity - Common	<u>53.62%</u>
<b>Total</b>	<b>\$ <u>3,072,648</u></b>	<b>Total</b>	<b><u>100.00%</u></b>

**Deferred ITC - Weighted Cost:**

Debt = .0239% * 46.04%	0.0089%
Equity = .0239% * 53.96%	<u>0.0103%</u>
Weighted Cost	<u>0.0192%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	4.8116%
Deferred ITC - Weighted Cost	<u>0.0103%</u>
	4.8219%
Times Tax Multiplier	1.628002
Total Equity Component	<u>7.8501%</u>

**Total Debt Cost Rate:**

Long Term Debt	2.1386%
Short Term Debt	0.0000%
Customer Deposits	0.0806%
Deferred ITC - Weighted Cost	<u>0.0089%</u>
Total Debt Component	<u>2.2281%</u>

10.0782%

**Notes:**

- Column (1) - From Order No. PSC-12-0425-EI, issued on August 16, 2012
- Column (2) - Column (1) / Total Column (1)
- Column (3) - From Order No. PSC-12-0425-EI, issued on August 16, 2012
- Column (4) - Column (2) x Column (3)