

# AUSLEY & MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

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

April 2, 2012

HAND DELIVERED

RECEIVED 11:00  
12 APR -2 PM 2:00  
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. 120007-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-1 of Howard T. Bryant regarding Environmental Cost Recovery Factors Final True-Up for the period January 2011 through December 2011.

Also enclosed is a <sup>\*</sup>CD containing the above testimony.

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

COM 5  
APA 1  
ECR 6  
CCL 1  
EAD 1  
SRC JDB/pp  
ADM Enclosures  
GPC  
CLK cc: CTR All Parties of Record (w/enc.)

\* NO CD included

DOCUMENT NUMBER DATE

01991 APR -2 2

FPSC-COMMISSION CLERK

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing Testimony and Exhibit of Howard T. Bryant has been furnished by U. S. Mail or hand delivery (\*) on this 2<sup>nd</sup> day of

April 2012 to the following:

Ms. Martha Carter Brown\*  
Office of General Counsel  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Room 370N – Gunter Building  
Tallahassee, FL 32399-0850

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

Ms. Vicki Kaufman  
Mr. Jon C Moyle  
Keefe, Anchors, Gordon & Moyle, 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

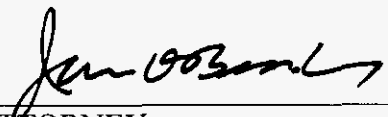
Mr. John T. Burnett  
Ms. Dianne Triplett  
Progress Energy Service Co., LLC  
Post Office Box 14042  
St. Petersburg, FL 33733-4042

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

Ms. Susan Ritenour  
Secretary and Treasurer  
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

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

  
\_\_\_\_\_  
ATTORNEY

DOCUMENT NUMBER-DATE  
01991 APR-2 2012  
FPSC-COMMISSION CLERK



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION  
DOCKET NO. 120007-EI  
IN RE: ENVIRONMENTAL COST RECOVERY FACTORS

2011 FINAL TRUE-UP  
TESTIMONY AND EXHIBITS

HOWARD T. BRYANT

FILED: APRIL 2, 2012

DOCUMENT NUMBER DATE

01991 APR 2 2012

FPSC-COMMISSION CLERK



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

3

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

6

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

11

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

13

14 **A.** The purpose of my testimony is to present, for Commission  
15 review and approval, the actual true-up amount for the  
16 ECRC and the calculations associated with the  
17 environmental compliance activities for the January 2011  
18 through December 2011 period.

19

20 **Q.** Did you prepare any exhibits in support of your  
21 testimony?

22

23 **A.** Yes. Exhibit No. \_\_\_\_\_ (HTB-1) consists of nine forms  
24 prepared under my direction and supervision.

25

- 1       ▪     Form 42-1A, Document No. 1, Final true-up for the  
2             January 2011 through December 2011 period;
- 3       ▪     Form 42-2A, Document No. 2, provides the detailed  
4             calculation of the actual true-up for the period;
- 5       ▪     Form 42-3A, Document No. 3, provides details to the  
6             calculation of the interest provision for the  
7             period;
- 8       ▪     Form 42-4A, Document No. 4, reflects the calculation  
9             of variances between actual and actual/estimated  
10            costs for O&M activities;
- 11       ▪     Form 42-5A, Document No. 5, provides a summary of  
12            actual monthly O&M activity costs for the period;
- 13       ▪     Form 42-6A, Document No. 6, provides details of the  
14            calculation of variances between actual and  
15            actual/estimated costs for capital investment  
16            projects;
- 17       ▪     Form 42-7A, Document No. 7, presents a summary of  
18            actual monthly costs for capital investment projects  
19            for the period;
- 20       ▪     Form 42-8A, Document No. 8, pages 1 through 25,  
21            consist of the calculation of depreciation expenses  
22            and return on capital investment for each project  
23            that is being recovered through the ECRC, and page  
24            26 calculates the net expenses associated with  
25            maintaining an SO<sub>2</sub> allowance inventory.

1           ▪     Form 42-9A, Document No. 9, consisting of one page,  
2                     details the calculation of Tampa Electric's capital  
3                     structure, components and cost rates.

4  
5     **Q.**     What is the source of the data presented by way of your  
6                     testimony or exhibits in this process?

7  
8     **A.**     Unless otherwise indicated, the actual data is taken from  
9                     the books and records of Tampa Electric. The books and  
10                    records are kept in the regular course of business in  
11                    accordance with generally accepted accounting principles  
12                    and practices, and provisions of the Uniform System of  
13                    Accounts as prescribed by this Commission.

14  
15    **Q.**     What is the actual true-up amount Tampa Electric is  
16                     requesting for the January 2011 through December 2011  
17                     period?

18  
19    **A.**     Tampa Electric has calculated and is requesting approval  
20                     of an under-recovery of \$3,696,541 as the actual true-up  
21                     amount for the January 2011 through December 2011 period.

22  
23    **Q.**     What is the adjusted net true-up amount Tampa Electric is  
24                     requesting for the January 2011 through December 2011  
25                     period which is to be applied in the calculation of the

1 environmental cost recovery factors to be  
2 refunded/(recovered) in the 2013 projection period?

3  
4 **A.** Tampa Electric has calculated an under-recovery of  
5 \$3,232,451 reflected on Form 42-1A, as the adjusted net  
6 true-up amount for the January 2011 through December 2011  
7 period. This adjusted net true-up amount is the  
8 difference between the actual under-recovery and the  
9 actual/estimated under-recovery for the January 2011  
10 through December 2011 period as depicted on Form 42-1A.  
11 The actual true-up amount for the January 2011 through  
12 December 2011 period is an under-recovery of \$3,696,541  
13 as compared to the \$464,090 actual/estimated under-  
14 recovery amount approved in Commission Order No. PSC-11-  
15 0553-FOF-EI issued December 7, 2011.

16  
17 **Q.** Are all costs listed in Forms 42-4A through 42-8A  
18 attributable to environmental compliance projects  
19 approved by the Commission?

20  
21 **A.** All costs listed in Forms 42-4A through 42-8A for which  
22 Tampa Electric is seeking recovery are attributable to  
23 environmental compliance projects approved by the  
24 Commission.

25



1 Q. Did Tampa Electric include costs in its 2011 final ECRC  
2 true-up filing for any environmental projects that were  
3 not anticipated and included in its 2011 factors?  
4

5 A. No.  
6

7 Q. How did actual expenditures for the January 2011 through  
8 December 2011 period compare with Tampa Electric's  
9 actual/estimated projections as presented in previous  
10 testimony and exhibits?  
11

12 A. As shown on Form 42-4A, total O&M activities costs were  
13 \$1,504,331 or 7.2 percent more than the actual/estimated  
14 projections. Form 42-6A shows the total capital  
15 investment costs were \$46,355 or 0.1 percent less than  
16 the actual/estimated projections. O&M projects with  
17 material variances from the 2011 Actual/Estimated True-Up  
18 filing are explained below. Variances for capital  
19 investment projects are quite modest; therefore,  
20 explanations are not provided.  
21

22 **O&M Project Variances**

23 ▪ **Big Bend Unit 3 Flue Gas Desulfurization Integration:** The  
24 Big Bend Unit 3 Flue Gas Desulfurization Integration  
25 project variance was \$388,266 or 7.0 percent more than

1 projected due to an increase in consumables used for  
2 operations as well as an increase in the prices for  
3 consumables.

4 ▪ **SO<sub>2</sub> Emissions Allowances:** The SO<sub>2</sub> Emission Allowances  
5 project variance was \$9,782 or 36.3 percent less than  
6 projected. The variance was due to less cogeneration  
7 purchases than originally projected.

8 ▪ **Big Bend Units 1 & 2 FGD:** The Big Bend Units 1 & 2 FGD  
9 project variance was \$524,523 or 6.9 percent more than  
10 projected due to increase in operations, which in turn,  
11 caused an increase in limestone consumption.

12 ▪ **Big Bend PM Minimization and Monitoring:** The Big Bend PM  
13 Minimization and Monitoring project variance was \$162,147  
14 or 58 percent more than projected due to preventative  
15 maintenance on system as well as facilitating best  
16 practices on fly ash system.

17 ▪ **Big Bend NO<sub>x</sub> Emissions Reduction:** The Big Bend NO<sub>x</sub>  
18 Emissions Reduction project variance was \$51,128 or 13.5  
19 percent less than projected due to maintenance activity  
20 being less than expected during planned outages.

21 ▪ **Gannon Thermal Discharge Study:** The Gannon Thermal  
22 Discharge Study project variance was 65,970 or 89.8  
23 percent lower than projected due to a postponement of the  
24 study that was scheduled to occur in 2011 regarding  
25 cooling towers at the plant.

- 1     ▪ **Bayside SCR Consumables:** The Bayside SCR Consumables  
2     project variance was \$32,619 or 31.9 percent greater than  
3     projected due to scheduled outages being cancelled, in  
4     turn causing more ammonia being consumed than originally  
5     anticipated.
- 6     ▪ **Clean Water Act Section 316(b) Phase II Study:** The Clean  
7     Water Act Section 316(b) Phase II Study was \$18,623 or  
8     34.3 percent greater than projected due to EPA's  
9     extension of the comment period and postponing of final  
10    rule. The extension created the need for additional  
11    outside services in preparation for EPA's rendering of  
12    the final rule.
- 13    ▪ **Big Bend Unit 1 SCR:** The Big Bend Unit 1 SCR project  
14    variance was \$150,508 or 7.6 percent greater than  
15    projected due to the increase in ammonia consumption  
16    driven by the increase in generating unit production as  
17    well as usage for SO<sub>3</sub> mitigation system.
- 18    ▪ **Big Bend Unit 2 SCR:** The Big Bend Unit 2 SCR project  
19    variance was \$221,267 or 17.3 percent greater than  
20    projected due to the increase in ammonia consumption  
21    driven by the increase in generating unit production as  
22    well as usage for SO<sub>3</sub> mitigation system.
- 23    ▪ **Big Bend Unit 4 SCR:** The Big Bend Unit 4 SCR project  
24    variance was \$93,985 or 6.5 percent greater than  
25    projected due to the increase in ammonia consumption

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

driven by the increase in generating unit production as well as usage for SO<sub>3</sub> mitigation system.

- **Greenhouse Gas Reduction Program:** The Greenhouse Gas Reduction Program variance was \$49,583 or 115.4 percent greater than originally projected due to a software subscription that was due for renewal in 2011.

**Q.** Did Tampa Electric make any adjustments to the 2011 true-up period?

**A.** No.

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

**A.** Yes, it does.

INDEX

TAMPA ELECTRIC COMPANY  
ENVIRONMENTAL COST RECOVERY CLAUSE

FINAL TRUE-UP AMOUNT FOR THE PERIOD OF  
JANUARY 2011 THROUGH DECEMBER 2011

FORMS 42-1A THROUGH 42-9A

<u>DOCUMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Form 42-1A	11
2	Form 42-2A	12
3	Form 42-3A	13
4	Form 42-4A	14
5	Form 42-5A	15
6	Form 42-6A	16
7	Form 42-7A	17
8	Form 42-8A	18
9	Form 42-9A	44

**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**  
(in Dollars)

Form 42 - 1A

11

<u>Line</u>	<u>Period Amount</u>
1. End of Period Actual True-Up for the Period January 2011 to December 2011 (Form 42-2A, Lines 5 + 6 + 10)	(\$3,696,541)
2. Estimated/Actual True-Up Amount Approved for the Period January 2011 to December 2011 (Order No. PSC-11-0553 FOF-EI)	<u>(464,090)</u>
3. Final True-Up to be Refunded/(Recovered) in the Projection Period January 2013 to December 2013 (Lines 1 - 2)	<u>(\$3,232,451)</u>

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

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

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1. ECRC Revenues (net of Revenue Taxes)	\$6,513,784	\$5,431,604	\$5,013,741	\$5,428,243	\$6,375,391	\$7,008,966	\$7,206,392	\$7,448,255	\$7,422,081	\$6,299,691	\$5,202,358	\$5,271,980	\$74,622,506
2. True-Up Provision	332,260	332,260	332,260	332,260	332,260	332,260	332,260	332,260	332,260	332,260	332,260	332,262	3,987,122
3. ECRC Revenues Applicable to Period (Lines 1 + 2) <sup>1</sup>	6,846,044	5,763,864	5,346,001	5,760,503	6,707,651	7,341,246	7,538,652	7,780,515	7,754,341	6,631,951	5,534,618	5,604,242	78,609,628
4. Jurisdictional ECRC Costs													
a. O & M Activities (Form 42-5A, Line 9)	1,635,285	1,985,917	2,431,264	1,700,762	2,788,262	1,185,237	1,846,955	1,914,178	1,880,908	1,906,368	1,401,326	1,575,962	22,252,424
b. Capital Investment Projects (Form 42-7A, Line 9)	5,000,601	4,994,088	5,015,263	4,998,322	4,998,525	4,993,023	4,988,082	4,993,438	5,001,881	5,016,877	5,018,625	5,031,178	60,049,903
c. Total Jurisdictional ECRC Costs	6,635,886	6,980,005	7,446,527	6,699,084	7,786,787	6,178,260	6,835,037	6,907,616	6,882,789	6,923,245	6,419,951	6,607,140	82,302,327
5. Over/Under Recovery (Line 3 - Line 4c) <sup>1</sup>	210,158	(1,216,141)	(2,100,526)	(938,581)	(1,079,136)	1,162,986	703,615	872,899	871,552	(291,294)	(885,333)	(1,002,898)	(3,692,699)
6. Interest Provision (Form 42-3A, Line 10)	275	100	(288)	(539)	(706)	(650)	(528)	(395)	(238)	(241)	(350)	(282)	(3,842)
7. Beginning Balance True-Up & Interest Provision	3,987,122	3,865,295	2,316,994	(116,080)	(1,387,460)	(2,799,562)	(1,969,486)	(1,598,659)	(1,058,415)	(519,361)	(1,143,156)	(2,361,099)	3,987,122
a. Deferred True-Up from January to December 2010	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)	(2,616,808)
8. True-Up Collected/(Refunded) (see Line 2)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,260)	(332,262)	(3,987,122)
9. End of Period Total True-Up (Lines 5+6+7+8) <sup>1</sup>	1,248,487	(299,814)	(2,732,888)	(4,004,268)	(5,416,370)	(4,586,294)	(4,215,467)	(3,675,223)	(3,136,169)	(3,759,964)	(4,977,907)	(6,313,349)	(6,313,349)
10. Adjustment to Period True-Up Including Interest	0	0	0	0	0	0	0	0	0	0	0	0	0
11. End of Period Total True-Up (Lines 9 + 10) <sup>1</sup>	\$1,248,487	(\$299,814)	(\$2,732,888)	(\$4,004,268)	(\$5,416,370)	(\$4,586,294)	(\$4,215,467)	(\$3,675,223)	(\$3,136,169)	(\$3,759,964)	(\$4,977,907)	(\$6,313,349)	(\$6,313,349)

12

<sup>1</sup> Subject to Baseline Analytics

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

**Interest Provision**  
 (in Dollars)

Line	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1. Beginning True-Up Amount (Form 42-2A, Line 7 + 7a + 10)	\$1,370,314	\$1,248,487	(\$299,814)	(\$2,732,888)	(\$4,004,268)	(\$5,416,370)	(\$4,586,294)	(\$4,215,467)	(\$3,675,223)	(\$3,136,169)	(\$3,759,964)	(\$4,977,907)	
2. Ending True-Up Amount Before Interest	1,248,212	(299,914)	(2,732,600)	(4,003,729)	(5,415,664)	(4,585,644)	(4,214,939)	(3,674,828)	(3,135,931)	(3,759,723)	(4,977,557)	(6,313,067)	
3. Total of Beginning & Ending True-Up (Lines 1 + 2)	2,618,526	948,573	(3,032,414)	(6,736,617)	(9,419,932)	(10,002,014)	(8,801,233)	(7,890,296)	(6,811,154)	(6,895,892)	(8,737,521)	(11,290,974)	
4. Average True-Up Amount (Line 3 x 1/2)	1,309,263	474,287	(1,516,207)	(3,368,309)	(4,709,966)	(5,001,007)	(4,400,617)	(3,945,148)	(3,405,577)	(3,447,946)	(4,368,761)	(5,645,487)	
5. Interest Rate (First Day of Reporting Business Month)	0.25%	0.25%	0.25%	0.20%	0.19%	0.16%	0.16%	0.12%	0.11%	0.06%	0.11%	0.08%	
6. Interest Rate (First Day of Subsequent Business Month)	0.25%	0.25%	0.20%	0.19%	0.16%	0.16%	0.12%	0.11%	0.06%	0.11%	0.08%	0.03%	
7. Total of Beginning & Ending Interest Rates (Lines 5 + 6)	0.50%	0.50%	0.45%	0.39%	0.35%	0.32%	0.28%	0.23%	0.17%	0.17%	0.19%	0.11%	
8. Average Interest Rate (Line 7 x 1/2)	0.250%	0.250%	0.225%	0.195%	0.175%	0.160%	0.140%	0.115%	0.085%	0.085%	0.095%	0.055%	
9. Monthly Average Interest Rate (Line 8 x 1/12)	0.021%	0.021%	0.019%	0.016%	0.015%	0.013%	0.012%	0.010%	0.007%	0.007%	0.008%	0.005%	
10. Interest Provision for the Month (Line 4 x Line 9)	\$275	\$100	(\$288)	(\$539)	(\$706)	(\$650)	(\$528)	(\$395)	(\$238)	(\$241)	(\$350)	(\$282)	(\$3,842)

13

<sup>1</sup> Subject to Baseline Analytics



**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

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

Line	(1)	(2)	(3)	(4)
	Actual/Estimated	Actual/Estimated Projection	Variance Amount	Variance Percent
1. Description of O&M Activities				
a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$5,932,439	\$5,544,173	\$388,266	7.0%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	0	0	0	0.0%
c. SO <sub>2</sub> Emissions Allowances	17,174	26,956	(9,782)	-36.3%
d. Big Bend Units 1 & 2 FGD	8,153,964	7,629,441	524,523	6.9%
e. Big Bend PM Minimization and Monitoring	441,560	279,413	162,147	58.0%
f. Big Bend NO <sub>x</sub> Emissions Reduction	328,802	379,930	(51,128)	-13.5%
g. NPDES Annual Surveillance Fees	34,500	34,500	0	0.0%
h. Gannon Thermal Discharge Study	7,525	73,495	(65,970)	-89.8%
i. Polk NO <sub>x</sub> Emissions Reduction	(19,672)	(20,284)	612	-3.0%
j. Bayside SCR Consumables	134,727	102,108	32,619	31.9%
k. Big Bend Unit 4 SOFA	0	0	0	0.0%
l. Big Bend Unit 1 Pre-SCR	249	249	0	0.0%
m. Big Bend Unit 2 Pre-SCR	0	0	0	0.0%
n. Big Bend Unit 3 Pre-SCR	200	200	0	0.0%
o. Clean Water Act Section 316(b) Phase II Study	72,883	54,260	18,623	34.3%
p. Arsenic Groundwater Standard Program	116,826	119,369	(2,543)	-2.1%
q. Big Bend 1 SCR	2,143,465	1,992,957	150,508	7.6%
r. Big Bend 2 SCR	1,501,661	1,280,394	221,267	17.3%
s. Big Bend 3 SCR	1,850,833	1,856,640	(5,807)	-0.3%
t. Big Bend 4 SCR	1,535,119	1,441,134	93,985	6.5%
u. Clean Air Mercury Rule	24,267	26,839	(2,572)	-9.6%
v. Greenhouse Gas Reduction Program	92,541	42,958	49,583	115.4%
2. Total Investment Projects - Recoverable Costs	\$22,369,063	\$20,864,732	\$1,504,331	7.2%
3. Recoverable Costs Allocated to Energy	22,137,329	20,583,107	\$1,554,221	7.6%
4. Recoverable Costs Allocated to Demand	\$231,734	\$281,625	(\$49,890)	-17.7%

**Notes:**

Column (1) is the End of Period Totals on Form 42-5A.

Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-11-0553-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 Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42 - 5A

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

Line	Description of O&M Activities	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	End of	Method of Classification		
		January	February	March	April	May	June	July	August	September	October	November	December	Total	Demand	Energy	
1.	Description of O&M Activities																
a.	Big Bend Unit 3 Flue Gas Desulfurization Integratio	\$478,812	\$508,795	\$705,148	\$656,426	\$463,472	\$571,584	\$394,582	\$497,936	\$554,685	\$414,529	\$408,132	\$378,338	\$5,932,439		\$5,932,439	
b.	Big Bend Units 1 & 2 Flue Gas Conditioning													0		0	
c.	SO <sub>2</sub> Emissions Allowances	1,750	328	2,030	1,191	4,640	3,328	2,821	1,124	326	(119)	(140)	(105)	17,174		17,174	
d.	Big Bend Units 1 & 2 FGD	564,431	1,061,495	687,720	637,459	974,592	751,225	625,916	707,401	528,310	621,549	443,388	550,478	8,153,964		8,153,964	
e.	Big Bend PM Minimization and Monitoring	12,796	39,264	26,228	27,530	27,135	27,942	31,924	27,713	49,511	71,445	71,053	29,019	441,560		441,560	
f.	Big Bend NO <sub>x</sub> Emissions Reduction	263	57,228	39,710	37,302	22,960	(3,881)	2,396	538	35,712	55,326	46,261	34,988	328,802		328,802	
g.	NPDES Annual Surveillance Fees	34,500	0	0	0	0	0	0	0	0	0	0	0	34,500		34,500	
h.	Gannon Thermal Discharge Study	0	0	0	1,480	840	3,675	0	0	0	250	1,280	0	7,525	34,500	7,525	
i.	Polk NO <sub>x</sub> Reduction	747	(35,480)	897	206	26	320	5	1,433	1,442	1,811	8,132	1,789	(19,672)		(19,672)	
j.	Bayside SCR and Ammonia	23,456	0	0	12,121	0	13,330	14,065	15,102	26,767	14,680	0	15,206	134,727		134,727	
k.	Big Bend Unit 4 SOFA	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
l.	Big Bend Unit 1 Pre-SCR	249	0	0	0	0	0	0	0	0	0	0	0	249		249	
m.	Big Bend Unit 2 Pre-SCR	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
n.	Big Bend Unit 3 Pre-SCR	200	0	0	0	0	0	0	0	0	0	0	0	200		200	
o.	Clean Water Act Section 316(b) Phase II Study	0	0	960	4,800	7,560	13,440	8,080	6,440	3,320	715	9,790	17,778	72,883	72,883	72,883	
p.	Arsenic Groundwater Standard Program	0	19,362	5,817	0	22,191	0	20,371	16,650	0	19,700	9,471	3,265	116,826	116,826	116,826	
q.	Big Bend 1 SCR	176,235	125,027	148,707	116,980	447,715	(96,579)	273,569	197,958	208,975	220,091	146,289	178,499	2,143,465		2,143,465	
r.	Big Bend 2 SCR	155,491	45,189	83,516	117,010	288,343	(75,002)	166,811	151,508	220,286	109,248	81,497	157,765	1,501,661		1,501,661	
s.	Big Bend 3 SCR	112,727	133,826	119,310	96,464	391,580	10,033	156,516	184,073	168,550	236,175	106,422	135,155	1,850,833		1,850,833	
t.	Big Bend 4 SCR	77,789	48,479	603,554	50,535	147,556	(27,175)	159,127	109,474	88,363	137,252	62,385	77,781	1,535,119		1,535,119	
u.	Clean Air Mercury Rule	0	0	0	332	6,071	436	1,816	4,826	929	1,509	8,348	0	24,267		24,267	
v.	Greenhouse Gas Reduction Program	10,009	0	17,265	53,172	2,513	0	563	1,211	287	4,973	2,550	0	92,541		92,541	
2.	Total of O&M Activities <sup>1</sup>	1,649,456	2,002,512	2,440,862	1,713,007	2,807,192	1,192,676	1,858,563	1,923,387	1,887,462	1,909,133	1,404,857	1,579,956	22,369,063	\$231,734	\$22,137,330	
3.	Recoverable Costs Allocated to Energy	1,614,956	1,983,150	2,434,085	1,706,727	2,776,601	1,175,561	1,830,112	1,900,297	1,884,142	1,888,468	1,384,317	1,558,913	22,137,329			
4.	Recoverable Costs Allocated to Demand	34,500	19,362	6,777	6,280	30,591	17,115	28,451	23,090	3,320	20,865	20,540	21,043	231,734			
5.	Retail Energy Jurisdictional Factor	0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769				
6.	Retail Demand Jurisdictional Factor	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819				
7.	Jurisdictional Energy Recoverable Costs (A) <sup>1</sup>	1,601,907	1,967,185	2,424,707	1,694,686	2,758,666	1,168,679	1,819,429	1,891,839	1,877,696	1,886,375	1,381,454	1,555,603	22,028,226			
8.	Jurisdictional Demand Recoverable Costs (B) <sup>1</sup>	33,378	18,732	6,557	6,076	29,596	16,558	27,526	22,339	3,212	19,993	19,872	20,359	224,198			
9.	Total Jurisdictional Recoverable Costs for O&M Activities (Lines 7 + 8) <sup>1</sup>	\$1,635,285	\$1,985,917	\$2,431,264	\$1,700,762	\$2,788,262	\$1,185,237	\$1,846,955	\$1,914,178	\$1,880,908	\$1,906,368	\$1,401,326	\$1,575,962	\$22,252,424			

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

<sup>1</sup> Subject to Baseline Analytics

15

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 5, PAGE 1 OF 1

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42 - 6A

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

Line	(1) Actual	(2) Actual/Estimated Projection	(3) Variance Amount	(4) Percent
1. Description of Investment Projects				
a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$742,882	\$742,259	\$623	0.1%
b. Big Bend Units 1 & 2 Flue Gas Conditioning	403,377	403,377	0	0.0%
c. Big Bend Unit 4 Continuous Emissions Monitors	76,381	76,381	0	0.0%
d. Big Bend Fuel Oil Tank # 1 Upgrade	51,572	51,572	0	0.0%
e. Big Bend Fuel Oil Tank # 2 Upgrade	84,824	84,824	0	0.0%
f. Phillips Upgrade Tank # 1 for FDEP	5,461	5,461	0	0.0%
g. Phillips Upgrade Tank # 4 for FDEP	8,584	8,584	0	0.0%
h. Big Bend Unit 1 Classifier Replacement	128,734	128,734	0	0.0%
i. Big Bend Unit 2 Classifier Replacement	93,421	93,421	0	0.0%
j. Big Bend Section 114 Mercury Testing Platform	13,022	13,022	0	0.0%
k. Big Bend Units 1 & 2 FGD	8,654,904	8,682,949	(28,045)	-0.3%
l. Big Bend FGD Optimization and Utilization	2,417,303	2,417,303	0	0.0%
m. Big Bend NO <sub>x</sub> Emissions Reduction	781,211	781,211	0	0.0%
n. Big Bend PM Minimization and Monitoring	1,066,060	1,062,080	3,980	0.4%
o. Polk NO <sub>x</sub> Emissions Reduction	189,422	189,422	0	0.0%
p. Big Bend Unit 4 SOFA	310,809	310,809	0	0.0%
q. Big Bend Unit 1 Pre-SCR	218,293	218,293	0	0.0%
r. Big Bend Unit 2 Pre-SCR	207,873	207,873	0	0.0%
s. Big Bend Unit 3 Pre-SCR	358,814	358,814	0	0.0%
t. Big Bend Unit 1 SCR	11,720,715	11,720,715	0	0.0%
u. Big Bend Unit 2 SCR	12,562,237	12,562,769	(532)	0.0%
v. Big Bend Unit 3 SCR	10,430,515	10,430,446	69	0.0%
w. Big Bend Unit 4 SCR	7,950,899	7,950,899	0	0.0%
x. Big Bend FGD System Reliability	1,710,188	1,732,791	(22,603)	-1.3%
y. Clean Air Mercury Rule	164,667	164,511	156	0.1%
z. SO <sub>2</sub> Emissions Allowances	(4,559)	(4,556)	(3)	0.1%
2. Total Investment Projects - Recoverable Costs	\$60,347,609	\$60,393,964	(\$46,355)	-0.1%
3. Recoverable Costs Allocated to Energy	\$60,197,168	\$60,243,523	(\$46,355)	-0.1%
4. Recoverable Costs Allocated to Demand	\$150,441	\$150,441	\$0	0.0%

**Notes:**

Column (1) is the End of Period Totals on Form 42-7A  
 Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-11-0553-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 Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-7A

**Capital Investment Projects- Recoverable Costs**

(in Dollars)

Line	Description (A)	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	End of	Method of Classification				
		January	February	March	April	May	June	July	August	September	October	November	December	Period Total	Demand	Energy		
1.	a. Big Bend Unit 3 Flue Gas Desulfurization Integration	\$62,698	\$62,545	\$62,392	\$62,238	\$62,085	\$61,931	\$61,779	\$61,625	\$61,471	\$61,318	\$61,168	\$61,632	\$742,882		\$742,882		
	b. Big Bend Units 1 and 2 Flue Gas Conditioning	34,331	34,201	34,070	33,940	33,810	33,680	33,550	33,419	33,290	33,159	33,029	32,898	403,377		403,377		
	c. Big Bend Unit 4 Continuous Emissions Monitors	6,447	6,431	6,416	6,402	6,387	6,372	6,358	6,343	6,328	6,314	6,299	6,284	76,381		76,381		
	d. Big Bend Fuel Oil Tank # 1 Upgrade	4,355	4,345	4,335	4,324	4,313	4,303	4,292	4,282	4,272	4,261	4,250	4,240	51,572	\$	51,572		
	e. Big Bend Fuel Oil Tank # 2 Upgrade	7,164	7,146	7,129	7,112	7,094	7,077	7,060	7,042	7,026	7,009	6,991	6,974	84,824		84,824		
	f. Phillips Upgrade Tank # 1 for FDEP	463	461	460	458	457	456	454	453	452	450	449	448	5,461		5,461		
	g. Phillips Upgrade Tank # 4 for FDEP	727	726	723	721	719	716	714	712	710	707	706	703	8,584		8,584		
	h. Big Bend Unit 1 Classifier Replacement	10,922	10,886	10,851	10,816	10,780	10,745	10,710	10,675	10,640	10,605	10,570	10,534	128,734		128,734		
	i. Big Bend Unit 2 Classifier Replacement	7,921	7,896	7,872	7,847	7,822	7,797	7,773	7,748	7,724	7,699	7,674	7,649	93,421		93,421		
	j. Big Bend Section 114 Mercury Testing Platform	1,096	1,094	1,092	1,090	1,088	1,086	1,084	1,082	1,080	1,079	1,076	1,075	13,022		13,022		
	k. Big Bend Units 1 & 2 FGD	723,838	722,116	722,809	724,293	724,399	722,532	720,663	718,899	717,955	717,644	720,001	719,755	8,654,904		8,654,904		
	l. Big Bend FGD Optimization and Utilization	203,665	203,262	202,857	202,453	202,048	201,644	201,240	200,835	200,431	200,027	199,623	199,218	2,417,303		2,417,303		
	m. Big Bend NO <sub>x</sub> Emissions Reduction	65,546	65,466	65,384	65,303	65,223	65,141	65,061	64,979	64,898	64,818	64,736	64,656	781,211		781,211		
	n. Big Bend PM Minimization and Monitoring	89,638	89,437	89,230	89,023	88,817	88,611	88,404	88,269	88,171	88,547	88,957	88,956	1,066,060		1,066,060		
	o. Polk NO <sub>x</sub> Emissions Reduction	16,022	15,978	15,935	15,892	15,850	15,807	15,764	15,721	15,677	15,635	15,592	15,549	189,422		189,422		
	p. Big Bend Unit 4 SOFA	26,174	26,124	26,075	26,025	25,976	25,925	25,876	25,826	25,777	25,727	25,677	25,627	310,809		310,809		
	q. Big Bend Unit 1 Pre-SCR	18,433	18,389	18,345	18,301	18,257	18,214	18,169	18,125	18,081	18,037	17,993	17,949	218,293		218,293		
	r. Big Bend Unit 2 Pre-SCR	17,541	17,501	17,462	17,422	17,382	17,343	17,303	17,263	17,224	17,184	17,144	17,104	207,873		207,873		
	s. Big Bend Unit 3 Pre-SCR	30,212	30,154	30,098	30,042	29,986	29,930	29,872	29,816	29,760	29,704	29,648	29,592	358,814		358,814		
	t. Big Bend Unit 1 SCR	985,104	983,452	981,802	979,901	978,444	977,009	975,044	973,424	971,614	969,804	967,994	966,184	11,720,715		11,720,715		
	u. Big Bend Unit 2 SCR	1,054,833	1,053,014	1,051,128	1,049,230	1,047,648	1,045,741	1,044,105	1,042,469	1,041,496	1,042,215	1,043,731	1,046,627	12,562,237		12,562,237		
	v. Big Bend Unit 3 SCR	866,391	867,478	870,987	872,230	874,164	872,744	871,318	869,887	868,457	867,047	865,626	864,186	10,430,515		10,430,515		
	w. Big Bend Unit 4 SCR	668,375	667,320	666,266	665,211	664,156	663,102	662,047	660,993	659,939	658,884	657,830	656,776	7,950,899		7,950,899		
	x. Big Bend FGD System Reliability	126,436	126,219	128,153	130,541	131,022	131,458	133,694	141,075	151,815	159,862	167,568	182,345	1,710,188		1,710,188		
	y. Clean Air Mercury Rule	13,703	13,674	13,646	13,727	13,807	13,779	13,750	13,722	13,694	13,666	13,637	13,608	164,667		164,667		
	z. SO <sub>x</sub> Emissions Allowances (B)	(386)	(385)	(384)	(382)	(382)	(381)	(379)	(378)	(377)	(376)	(375)	(374)	(4,559)		(4,559)		
2.	Total Investment Projects - Recoverable Costs	5,041,649	5,034,930	5,035,023	5,034,160	5,031,352	5,022,762	5,017,705	5,016,115	5,019,415	5,022,835	5,029,404	5,042,259	60,347,609	\$	150,441	\$	60,197,168
3.	Recoverable Costs Allocated to Energy	5,028,940	5,022,252	5,022,376	5,021,545	5,018,769	5,010,210	5,005,185	5,003,626	5,006,955	5,010,408	5,017,008	5,029,894	60,197,168				
4.	Recoverable Costs Allocated to Demand	12,709	12,678	12,647	12,615	12,583	12,552	12,520	12,489	12,460	12,427	12,396	12,365	150,441				
5.	Retail Energy Jurisdictional Factor	0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769					
6.	Retail Demand Jurisdictional Factor	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819					
7.	Jurisdictional Energy Recoverable Costs (C)	4,988,305	4,981,822	5,003,027	4,986,117	4,986,351	4,980,879	4,975,969	4,981,355	4,989,826	5,004,854	5,006,632	5,019,215	59,904,352				
8.	Jurisdictional Demand Recoverable Costs (D)	12,296	12,266	12,236	12,205	12,174	12,144	12,113	12,083	12,055	12,023	11,993	11,963	145,551				
9.	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 - 8)	\$5,000,601	\$4,994,088	\$5,015,263	\$4,998,322	\$4,998,525	\$4,993,023	\$4,988,082	\$4,993,438	\$5,001,861	\$5,016,877	\$5,018,625	\$5,031,178	\$60,049,903				

**Notes:**

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

<sup>1</sup> Subject to Baseline Analytics

17

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 7, PAGE 1 OF 1

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 1 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$680	\$126,330	\$127,010
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	
2.	Plant-in-Service/Depreciation Base (A)	\$9,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	\$8,239,658	
3.	Less: Accumulated Depreciation	(3,400,809)	(3,416,602)	(3,432,395)	(3,448,188)	(3,463,981)	(3,479,774)	(3,495,567)	(3,511,360)	(3,527,153)	(3,542,946)	(3,558,739)	(3,574,532)	(3,590,325)	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	680	127,010	
5.	Net Investment (Lines 2 + 3 + 4)	\$4,838,849	4,823,056	4,807,263	4,791,470	4,775,677	4,759,884	4,744,091	4,728,298	4,712,505	4,696,712	4,680,919	4,665,806	4,776,343	
6.	Average Net Investment		4,830,953	4,815,160	4,799,367	4,783,574	4,767,781	4,751,988	4,736,195	4,720,402	4,704,609	4,688,816	4,673,363	4,721,075	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		35,100	34,985	34,871	34,756	34,641	34,526	34,412	34,297	34,182	34,067	33,955	34,302	\$414,094
b.	Debt Component Grossed Up For Taxes (C)		11,805	11,767	11,728	11,689	11,651	11,612	11,574	11,535	11,496	11,458	11,420	11,537	139,272
8.	Investment Expenses														
a.	Depreciation (D)		15,793	15,793	15,793	15,793	15,793	15,793	15,793	15,793	15,793	15,793	15,793	15,793	189,516
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)		62,698	62,545	62,392	62,238	62,085	61,931	61,779	61,625	61,471	61,318	61,168	61,632	742,882
a.	Recoverable Costs Allocated to Energy		62,698	62,545	62,392	62,238	62,085	61,931	61,779	61,625	61,471	61,318	61,168	61,632	742,882
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		62,191	62,042	62,152	61,799	61,684	61,568	61,418	61,351	61,261	61,250	61,041	61,501	739,258
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)		\$62,191	\$62,042	\$62,152	\$61,799	\$61,684	\$61,568	\$61,418	\$61,351	\$61,261	\$61,250	\$61,041	\$61,501	\$739,258

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.45
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.3%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

<sup>1</sup> Subject to Baseline Analytics

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 2 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734	\$5,017,734
3.	Less: Accumulated Depreciation	(2,856,218)	(2,869,627)	(2,883,036)	(2,896,445)	(2,909,854)	(2,923,263)	(2,936,672)	(2,950,081)	(2,963,490)	(2,976,899)	(2,990,308)	(3,003,717)	(3,017,126)	
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)	\$2,161,516	2,148,107	2,134,698	2,121,289	2,107,880	2,094,471	2,081,062	2,067,653	2,054,244	2,040,835	2,027,426	2,014,017	2,000,608	
6.	Average Net Investment		2,154,812	2,141,403	2,127,994	2,114,585	2,101,176	2,087,767	2,074,358	2,060,949	2,047,540	2,034,131	2,020,722	2,007,313	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		15,656	15,559	15,461	15,364	15,266	15,169	15,072	14,974	14,877	14,779	14,682	14,584	\$181,443
b.	Debt Component Grossed Up For Taxes (C)		5,266	5,233	5,200	5,167	5,135	5,102	5,069	5,036	5,004	4,971	4,938	4,905	61,026
8.	Investment Expenses														
a.	Depreciation (D)		13,409	13,409	13,409	13,409	13,409	13,409	13,409	13,409	13,409	13,409	13,409	13,409	160,908
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)		34,331	34,201	34,070	33,940	33,810	33,680	33,550	33,419	33,290	33,159	33,029	32,898	403,377
a.	Recoverable Costs Allocated to Energy		34,331	34,201	34,070	33,940	33,810	33,680	33,550	33,419	33,290	33,159	33,029	32,898	403,377
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919496	0.9916474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		34,054	33,926	33,939	33,701	33,592	33,483	33,354	33,270	33,176	33,122	32,961	32,828	401,406
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)		\$34,054	\$33,926	\$33,939	\$33,701	\$33,592	\$33,483	\$33,354	\$33,270	\$33,176	\$33,122	\$32,961	\$32,828	\$401,406

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$2,676,217) and 312.42 (\$2,341,517)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 3.3% and 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

<sup>1</sup> Subject to Baseline Analytics

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 3 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211	\$866,211
3.	Less: Accumulated Depreciation	(357,653)	(359,169)	(360,685)	(362,201)	(363,717)	(365,233)	(366,749)	(368,265)	(369,781)	(371,297)	(372,813)	(374,329)	(375,845)	(375,845)
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)	\$508,558	507,042	505,526	504,010	502,494	500,978	499,462	497,946	496,430	494,914	493,398	491,882	490,366	490,366
6.	Average Net Investment		507,800	506,284	504,768	503,252	501,736	500,220	498,704	497,188	495,672	494,156	492,640	491,124	491,124
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		3,690	3,678	3,667	3,656	3,645	3,634	3,623	3,612	3,601	3,590	3,579	3,568	\$43,543
b.	Debt Component Grossed Up For Taxes (C)		1,241	1,237	1,233	1,230	1,226	1,222	1,219	1,215	1,211	1,208	1,204	1,200	14,646
8.	Investment Expenses														
a.	Depreciation (D)		1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	18,192
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)		6,447	6,431	6,416	6,402	6,387	6,372	6,358	6,343	6,328	6,314	6,299	6,284	76,381
a.	Recoverable Costs Allocated to Energy		6,447	6,431	6,416	6,402	6,387	6,372	6,358	6,343	6,328	6,314	6,299	6,284	76,381
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	0.9978769
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819
12.	Retail Energy-Related Recoverable Costs (E)		6,395	6,379	6,391	6,357	6,346	6,335	6,321	6,315	6,306	6,307	6,286	6,271	76,009
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)		\$6,395	\$6,379	\$6,391	\$6,357	\$6,346	\$6,335	\$6,321	\$6,315	\$6,306	\$6,307	\$6,286	\$6,271	\$76,009

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 315.44
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

20

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 3 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 4 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578	\$497,578
3.	Less: Accumulated Depreciation	(159,496)	(160,574)	(161,652)	(162,730)	(163,808)	(164,886)	(165,964)	(167,042)	(168,120)	(169,198)	(170,276)	(171,354)	(172,432)	
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)	\$338,082	337,004	335,926	334,848	333,770	332,692	331,614	330,536	329,458	328,380	327,302	326,224	325,146	
6.	Average Net Investment		337,543	336,465	335,387	334,309	333,231	332,153	331,075	329,997	328,919	327,841	326,763	325,685	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		2,452	2,445	2,437	2,429	2,421	2,413	2,405	2,398	2,390	2,382	2,374	2,366	\$28,912
b.	Debt Component Grossed Up For Taxes (C)		825	822	820	817	814	812	809	806	804	801	798	796	9,724
8.	Investment Expenses														
a.	Depreciation (D)		1,078	1,078	1,078	1,078	1,078	1,078	1,078	1,078	1,078	1,078	1,078	1,078	12,936
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)		4,355	4,345	4,335	4,324	4,313	4,303	4,292	4,282	4,272	4,261	4,250	4,240	51,572
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		4,355	4,345	4,335	4,324	4,313	4,303	4,292	4,282	4,272	4,261	4,250	4,240	51,572
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
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)		4,213	4,204	4,194	4,183	4,173	4,163	4,152	4,143	4,133	4,122	4,112	4,102	49,894
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$4,213	\$4,204	\$4,194	\$4,183	\$4,173	\$4,163	\$4,152	\$4,143	\$4,133	\$4,122	\$4,112	\$4,102	\$49,894

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.6%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

21



**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 5 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401	\$818,401
3.	Less: Accumulated Depreciation	(262,348)	(264,121)	(265,894)	(267,667)	(269,440)	(271,213)	(272,986)	(274,759)	(276,532)	(278,305)	(280,078)	(281,851)	(283,624)	(283,624)
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)	\$556,053	554,280	552,507	550,734	548,961	547,188	545,415	543,642	541,869	540,096	538,323	536,550	534,777	534,777
6.	Average Net Investment		555,167	553,394	551,621	549,848	548,075	546,302	544,529	542,756	540,983	539,210	537,437	535,664	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		4,034	4,021	4,008	3,995	3,982	3,969	3,956	3,943	3,931	3,918	3,905	3,892	\$47,554
b.	Debt Component Grossed Up For Taxes (C)		1,357	1,352	1,348	1,344	1,339	1,335	1,331	1,326	1,322	1,318	1,313	1,309	15,994
8.	Investment Expenses														
a.	Depreciation (D)		1,773	1,773	1,773	1,773	1,773	1,773	1,773	1,773	1,773	1,773	1,773	1,773	21,276
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		7,164	7,146	7,129	7,112	7,094	7,077	7,060	7,042	7,026	7,009	6,991	6,974	84,824
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		7,164	7,146	7,129	7,112	7,094	7,077	7,060	7,042	7,026	7,009	6,991	6,974	84,824
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941529	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
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)		6,931	6,914	6,897	6,881	6,863	6,847	6,830	6,813	6,798	6,781	6,764	6,747	82,066
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$6,931	\$6,914	\$6,897	\$6,881	\$6,863	\$6,847	\$6,830	\$6,813	\$6,798	\$6,781	\$6,764	\$6,747	\$82,066

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.40
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.6%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

22

DOCKET NO. 12007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 5 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 6 of 26

Return on Capital Investments, Depreciation and Taxes  
 For Project: Phillips Upgrade Tank # 1 for FDEP  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	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)	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277	\$57,277
3.	Less: Accumulated Depreciation	(24,252)	(24,395)	(24,538)	(24,681)	(24,824)	(24,967)	(25,110)	(25,253)	(25,396)	(25,539)	(25,682)	(25,825)	(25,968)	(25,968)
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)	\$33,025	32,882	32,739	32,596	32,453	32,310	32,167	32,024	31,881	31,738	31,595	31,452	31,309	
6.	Average Net Investment		32,954	32,811	32,668	32,525	32,382	32,239	32,096	31,953	31,810	31,667	31,524	31,381	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		239	238	237	236	235	234	233	232	231	230	229	228	\$2,802
b.	Debt Component Grossed Up For Taxes (C)		81	80	80	79	79	79	78	78	78	77	77	77	943
8.	Investment Expenses														
a.	Depreciation (D)		143	143	143	143	143	143	143	143	143	143	143	143	1,716
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)		463	461	460	458	457	456	454	453	452	450	449	448	5,461
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		463	461	460	458	457	456	454	453	452	450	449	448	5,461
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9968915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
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)		448	446	445	443	442	441	439	438	437	435	434	433	5,281
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$448	\$446	\$445	\$443	\$442	\$441	\$439	\$438	\$437	\$435	\$434	\$433	\$5,281

**Notes:**

- (A) Applicable depreciable base for Phillips; account 342.28
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

23

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 6 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 7 of 26

Return on Capital Investments, Depreciation and Taxes  
 For Project: Phillips Upgrade Tank # 4 for FDEP  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472	\$90,472
3.	Less: Accumulated Depreciation	(38,723)	(38,949)	(39,175)	(39,401)	(39,627)	(39,853)	(40,079)	(40,305)	(40,531)	(40,757)	(40,983)	(41,209)	(41,435)	(41,435)
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)	\$51,749	51,523	51,297	51,071	50,845	50,619	50,393	50,167	49,941	49,715	49,489	49,263	49,037	49,037
6.	Average Net Investment		51,636	51,410	51,184	50,958	50,732	50,506	50,280	50,054	49,828	49,602	49,376	49,150	49,150
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		375	374	372	370	369	367	365	364	362	360	359	357	\$4,394
b.	Debt Component Grossed Up For Taxes (C)		126	126	125	125	124	123	123	122	122	121	121	120	1,478
8.	Investment Expenses														
a.	Depreciation (D)		226	226	226	226	226	226	226	226	226	226	226	226	2,712
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)		727	726	723	721	719	716	714	712	710	707	706	703	8,584
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		727	726	723	721	719	716	714	712	710	707	706	703	8,584
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
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)		703	702	699	698	696	693	691	689	687	684	683	680	8,305
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$703	\$702	\$699	\$698	\$696	\$693	\$691	\$689	\$687	\$684	\$683	\$680	\$8,305

**Notes:**

- (A) Applicable depreciable base for Phillips; account 342.28
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002)
- (C) Line 6 x 2.9324% x 1/12
- (D) Applicable depreciation rate is 3.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

24

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 7 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 8 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257	\$1,316,257
3.	Less: Accumulated Depreciation	(562,472)	(566,092)	(569,712)	(573,332)	(576,952)	(580,572)	(584,192)	(587,812)	(591,432)	(595,052)	(598,672)	(602,292)	(605,912)	
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)	\$753,785	750,165	746,545	742,925	739,305	735,685	732,065	728,445	724,825	721,205	717,585	713,965	710,345	
6.	Average Net Investment		751,975	748,355	744,735	741,115	737,495	733,875	730,255	726,635	723,015	719,395	715,775	712,155	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		5,464	5,437	5,411	5,385	5,358	5,332	5,306	5,279	5,253	5,227	5,201	5,174	\$63,827
b.	Debt Component Grossed Up For Taxes (C)		1,838	1,829	1,820	1,811	1,802	1,793	1,784	1,776	1,767	1,758	1,749	1,740	21,467
8.	Investment Expenses														
a.	Depreciation (D)		3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	43,440
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)		10,922	10,886	10,851	10,816	10,780	10,745	10,710	10,675	10,640	10,605	10,570	10,534	128,734
a.	Recoverable Costs Allocated to Energy		10,922	10,886	10,851	10,816	10,780	10,745	10,710	10,675	10,640	10,605	10,570	10,534	128,734
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		10,834	10,798	10,809	10,740	10,710	10,682	10,647	10,627	10,604	10,593	10,548	10,512	128,104
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)		\$10,834	\$10,798	\$10,809	\$10,740	\$10,710	\$10,682	\$10,647	\$10,627	\$10,604	\$10,593	\$10,548	\$10,512	\$128,104

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.3%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

25

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 8 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 9 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	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)	\$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	(429,750)	(432,294)	(434,838)	(437,382)	(439,926)	(442,470)	(445,014)	(447,558)	(450,102)	(452,646)	(455,190)	(457,734)	(460,278)	
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)	\$555,044	552,500	549,956	547,412	544,868	542,324	539,780	537,236	534,692	532,148	529,604	527,060	524,516	
6.	Average Net Investment		553,772	551,228	548,684	546,140	543,596	541,052	538,508	535,964	533,420	530,876	528,332	525,788	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		4,024	4,005	3,987	3,968	3,950	3,931	3,913	3,894	3,876	3,857	3,839	3,820	\$47,064
b.	Debt Component Grossed Up For Taxes (C)		1,353	1,347	1,341	1,335	1,328	1,322	1,316	1,310	1,304	1,297	1,291	1,285	15,829
8.	Investment Expenses														
a.	Depreciation (D)		2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544	2,544	30,528
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)		7,921	7,896	7,872	7,847	7,822	7,797	7,773	7,748	7,724	7,698	7,674	7,649	93,421
a.	Recoverable Costs Allocated to Energy		7,921	7,896	7,872	7,847	7,822	7,797	7,773	7,748	7,724	7,698	7,674	7,649	93,421
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		7,857	7,832	7,842	7,792	7,771	7,751	7,728	7,714	7,698	7,689	7,658	7,633	92,965
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)		\$7,857	\$7,832	\$7,842	\$7,792	\$7,771	\$7,751	\$7,728	\$7,714	\$7,698	\$7,689	\$7,658	\$7,633	\$92,965

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.42
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

26

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 9 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 10 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	\$120,737	
3.	Less: Accumulated Depreciation	(28,471)	(28,672)	(28,873)	(29,074)	(29,275)	(29,476)	(29,677)	(29,878)	(30,079)	(30,280)	(30,481)	(30,682)	(30,883)	
4.	CWMP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.	Net Investment (Lines 2 + 3 + 4)	\$92,266	92,065	91,864	91,663	91,462	91,261	91,060	90,859	90,658	90,457	90,256	90,055	89,854	
6.	Average Net Investment		92,166	91,965	91,764	91,563	91,362	91,161	90,960	90,759	90,558	90,357	90,156	89,955	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		670	668	667	665	664	662	661	659	658	657	655	654	\$7,940
b.	Debt Component Grossed Up For Taxes (C)		225	225	224	224	223	223	222	222	221	221	220	220	2,670
8.	Investment Expenses														
a.	Depreciation (D)		201	201	201	201	201	201	201	201	201	201	201	201	2,412
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)		1,096	1,094	1,092	1,090	1,088	1,086	1,084	1,082	1,080	1,079	1,076	1,075	13,022
a.	Recoverable Costs Allocated to Energy		1,096	1,094	1,092	1,090	1,088	1,086	1,084	1,082	1,080	1,079	1,076	1,075	13,022
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		1,087	1,085	1,088	1,082	1,081	1,080	1,078	1,077	1,076	1,078	1,074	1,073	12,959
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)		\$1,087	\$1,085	\$1,088	\$1,082	\$1,081	\$1,080	\$1,078	\$1,077	\$1,076	\$1,078	\$1,074	\$1,073	\$12,959

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.40
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.0%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

27

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 11 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$29,866	\$34,024	\$527,165	\$197,000	\$27,737	\$7,659	\$28,001	\$29,086	\$197,283	\$159,085	\$99,364	\$268,331	\$1,604,600
b.	Clearings to Plant		0	0	0	434,699	1,173	0	0	0	0	1,307,326	17,487	44,310	1,804,995
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)	\$86,578,841	\$86,578,841	\$86,578,841	\$86,578,841	\$87,013,540	\$87,014,713	\$87,014,713	\$87,014,713	\$87,014,713	\$87,014,713	\$88,322,039	\$88,339,525	\$88,383,835	
3.	Less: Accumulated Depreciation	(34,264,197)	(34,473,429)	(34,682,661)	(34,891,893)	(35,101,125)	(35,311,408)	(35,521,694)	(35,731,980)	(35,942,266)	(36,152,552)	(36,362,838)	(36,576,283)	(36,789,770)	
4.	CWIP - Non-Interest Bearing	776,168	806,034	840,058	1,367,223	1,129,524	1,156,088	1,163,747	1,191,748	1,220,833	1,418,116	269,875	351,752	575,773	
5.	Net Investment (Lines 2 + 3 + 4)	\$53,090,812	\$52,911,446	\$52,736,237	\$53,054,170	\$53,041,938	\$52,859,392	\$52,656,765	\$52,474,480	\$52,293,280	\$52,280,277	\$52,229,076	\$52,114,994	\$52,169,838	
6.	Average Net Investment		53,001,129	52,823,842	52,895,204	53,048,054	52,950,665	52,758,079	52,565,623	52,383,880	52,286,778	52,254,676	52,172,035	52,142,416	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		385,089	383,500	384,319	385,429	384,722	383,323	381,924	380,604	379,898	379,665	379,065	378,849	\$4,586,687
b.	Debt Component Grossed Up For Taxes (C)		129,517	129,084	129,258	129,632	129,394	128,923	128,453	128,009	127,771	127,693	127,491	127,419	1,542,644
8.	Investment Expenses														
a.	Depreciation (D)		209,232	209,232	209,232	209,232	210,283	210,286	210,286	210,286	210,286	210,286	213,445	213,487	2,525,573
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)		723,838	722,116	722,809	724,293	724,399	722,532	720,663	718,899	717,955	717,644	720,001	719,755	8,654,904
a.	Recoverable Costs Allocated to Energy		723,838	722,116	722,809	724,293	724,399	722,532	720,663	718,899	717,955	717,644	720,001	719,755	8,654,904
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		717,989	716,303	720,024	719,183	719,720	718,302	716,456	715,699	715,499	716,848	718,512	718,227	8,612,762
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)		\$717,989	\$716,303	\$720,024	\$719,183	\$719,720	\$718,302	\$716,456	\$715,699	\$715,499	\$716,848	\$718,512	\$718,227	\$8,612,762

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.46
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 2.9%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

28

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 11 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 12 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	\$21,739,737	
3.	Less: Accumulated Depreciation	(5,031,493)	(5,073,135)	(5,114,777)	(5,156,419)	(5,198,061)	(5,239,703)	(5,281,345)	(5,322,987)	(5,364,629)	(5,406,271)	(5,447,913)	(5,489,555)	(5,531,197)	
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)	\$16,708,244	16,666,602	16,624,960	16,583,318	16,541,676	16,500,034	16,458,392	16,416,750	16,375,108	16,333,466	16,291,824	16,250,182	16,208,540	
6.	Average Net Investment		16,687,423	16,645,781	16,604,139	16,562,497	16,520,855	16,479,213	16,437,571	16,395,929	16,354,287	16,312,645	16,271,003	16,229,361	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		121,245	120,943	120,640	120,338	120,035	119,732	119,430	119,127	118,825	118,522	118,220	117,917	\$1,434,974
b.	Debt Component Grossed Up For Taxes (C)		40,778	40,677	40,575	40,473	40,371	40,270	40,168	40,066	39,964	39,863	39,761	39,659	482,625
8.	Investment Expenses														
a.	Depreciation (D)		41,642	41,642	41,642	41,642	41,642	41,642	41,642	41,642	41,642	41,642	41,642	41,642	499,704
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)		203,665	203,262	202,857	202,453	202,048	201,644	201,240	200,835	200,431	200,027	199,623	199,218	2,417,303
a.	Recoverable Costs Allocated to Energy		203,665	203,262	202,857	202,453	202,048	201,644	201,240	200,835	200,431	200,027	199,623	199,218	2,417,303
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		202,019	201,626	202,075	201,025	200,743	200,464	200,065	199,941	199,745	199,805	199,210	198,795	2,405,513
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$202,019	\$201,626	\$202,075	\$201,025	\$200,743	\$200,464	\$200,065	\$199,941	\$199,745	\$199,805	\$199,210	\$198,795	\$2,405,513

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 311.45 (\$39,818) and 312.45 (\$21,699,919)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 1.5% and 2.3%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

29



**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 13 of 26

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	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852	\$3,190,852
3.	Less: Accumulated Depreciation	2,705,285	2,696,956	2,688,617	2,680,278	2,671,939	2,663,600	2,655,261	2,646,922	2,638,583	2,630,244	2,621,905	2,613,566	2,605,227	
4.	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$5,896,147	5,887,808	5,879,469	5,871,130	5,862,791	5,854,452	5,846,113	5,837,774	5,829,435	5,821,096	5,812,757	5,804,418	5,796,079	
6.	Average Net Investment		5,891,978	5,883,639	5,875,300	5,866,961	5,858,622	5,850,283	5,841,944	5,833,605	5,825,266	5,816,927	5,808,588	5,800,249	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		42,809	42,749	42,688	42,627	42,567	42,506	42,446	42,385	42,324	42,264	42,203	42,143	\$509,711
b.	Debt Component Grossed Up For Taxes (C)		14,398	14,378	14,357	14,337	14,317	14,296	14,276	14,255	14,235	14,215	14,194	14,174	171,432
8.	Investment Expenses														
a.	Depreciation (D)		8,339	8,339	8,339	8,339	8,339	8,339	8,339	8,339	8,339	8,339	8,339	8,339	100,068
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)		65,546	65,466	65,384	65,303	65,223	65,141	65,061	64,979	64,898	64,818	64,736	64,656	781,211
a.	Recoverable Costs Allocated to Energy		65,546	65,466	65,384	65,303	65,223	65,141	65,061	64,979	64,898	64,818	64,736	64,656	781,211
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		65,016	64,939	65,132	64,842	64,802	64,760	64,681	64,690	64,676	64,746	64,602	64,519	777,405
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)		\$65,016	\$64,939	\$65,132	\$64,842	\$64,802	\$64,760	\$64,681	\$64,690	\$64,676	\$64,746	\$64,602	\$64,519	\$777,405

**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 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.828002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 3.3%, 3.1%, and 2.6%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

30

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$824	(\$79)	\$0	\$0	\$143	\$0	\$0	\$14,686	\$7,909	\$112,080	\$14,804	\$27,746	\$178,112
b.	Clearings to Plant		824	(79)	0	0	143	0	0	0	0	0	0	0	888
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)	\$8,516,877	\$8,517,701	\$8,517,622	\$8,517,622	\$8,517,622	\$8,517,765	\$8,517,765	\$8,517,765	\$8,517,765	\$8,517,765	\$8,517,765	\$8,517,765	\$8,517,765	
3.	Less: Accumulated Depreciation	(1,467,265)	(1,488,555)	(1,509,847)	(1,531,139)	(1,552,431)	(1,573,723)	(1,595,015)	(1,616,307)	(1,637,599)	(1,658,891)	(1,680,183)	(1,701,475)	(1,722,767)	
4.	CWIP - Non-Interest Bearing	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	14,686	22,594	134,674	149,478	177,224	
5.	Net Investment (Lines 2 + 3 + 4)	\$7,049,612	7,029,146	7,007,775	6,986,483	6,965,191	6,944,042	6,922,750	6,901,458	6,894,852	6,881,468	6,972,256	6,965,768	6,972,222	
6.	Average Net Investment		7,039,379	7,018,460	6,997,129	6,975,837	6,954,616	6,933,396	6,912,104	6,898,155	6,888,160	6,926,862	6,969,012	6,968,995	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		51,146	50,994	50,839	50,684	50,530	50,376	50,221	50,120	50,047	50,328	50,635	50,634	\$606,554
b.	Debt Component Grossed Up For Taxes (C)		17,202	17,151	17,099	17,047	16,995	16,943	16,891	16,857	16,832	16,927	17,030	17,030	204,004
8.	Investment Expenses														
a.	Depreciation (D)		21,290	21,292	21,292	21,292	21,292	21,292	21,292	21,292	21,292	21,292	21,292	21,292	255,502
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)		89,638	89,437	89,230	89,023	88,817	88,611	88,404	88,269	88,171	88,547	88,957	88,956	1,066,060
a.	Recoverable Costs Allocated to Energy		89,638	89,437	89,230	89,023	88,817	88,611	88,404	88,269	88,171	88,547	88,957	88,956	1,066,060
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		88,914	88,717	88,886	88,395	88,243	88,092	87,888	87,876	87,869	88,449	88,773	88,767	1,060,869
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$88,914	\$88,717	\$88,886	\$88,395	\$88,243	\$88,092	\$87,888	\$87,876	\$87,869	\$88,449	\$88,773	\$88,767	\$1,060,869

**Notes:**

- (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$1,513,263), 312.42 (\$5,153,072), 312.43 (\$955,619), 315.41 (\$17,504), 315.44 (\$351,594), and 315.43 (\$526,713)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 3.3%, 3.1%, 2.6%, 2.5%, 2.1%, and 2.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

31

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 14 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 15 of 26

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	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	\$1,561,473	
3.	Less: Accumulated Depreciation	(364,794)	(369,218)	(373,642)	(378,066)	(382,490)	(386,914)	(391,338)	(395,762)	(400,186)	(404,610)	(409,034)	(413,458)	(417,882)	
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)	\$1,196,679	1,192,255	1,187,831	1,183,407	1,178,983	1,174,559	1,170,135	1,165,711	1,161,287	1,156,863	1,152,439	1,148,015	1,143,591	
6.	Average Net Investment		1,194,467	1,190,043	1,185,619	1,181,195	1,176,771	1,172,347	1,167,923	1,163,499	1,159,075	1,154,651	1,150,227	1,145,803	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		8,679	8,646	8,614	8,582	8,550	8,518	8,486	8,454	8,421	8,389	8,357	8,325	\$102,021
b.	Debt Component Grossed Up For Taxes (C)		2,919	2,908	2,897	2,886	2,876	2,865	2,854	2,843	2,832	2,822	2,811	2,800	34,313
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)		16,022	15,978	15,935	15,892	15,850	15,807	15,764	15,721	15,677	15,635	15,592	15,549	189,422
a.	Recoverable Costs Allocated to Energy		16,022	15,978	15,935	15,892	15,850	15,807	15,764	15,721	15,677	15,635	15,592	15,549	189,422
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		15,893	15,849	15,874	15,780	15,748	15,714	15,672	15,651	15,623	15,618	15,560	15,516	188,498
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)		\$15,893	\$15,849	\$15,874	\$15,780	\$15,748	\$15,714	\$15,672	\$15,651	\$15,623	\$15,618	\$15,560	\$15,516	\$188,498

**Notes:**

- (A) Applicable depreciable base for Polk: account 342.81
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

32

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 15 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 16 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	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)	\$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	\$2,558,730
3.	Less: Accumulated Depreciation	(387,446)	(392,563)	(397,680)	(402,797)	(407,914)	(413,031)	(418,148)	(423,265)	(428,382)	(433,499)	(438,616)	(443,733)	(448,850)	(448,850)
4.	CWMP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$2,171,284	2,166,167	2,161,050	2,155,933	2,150,816	2,145,699	2,140,582	2,135,465	2,130,348	2,125,231	2,120,114	2,114,997	2,109,880	
6.	Average Net Investment		2,168,726	2,163,609	2,158,492	2,153,375	2,148,258	2,143,141	2,138,024	2,132,907	2,127,790	2,122,673	2,117,556	2,112,439	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		15,757	15,720	15,683	15,646	15,609	15,571	15,534	15,497	15,460	15,423	15,385	15,348	\$186,633
b.	Debt Component Grossed Up For Taxes (C)		5,300	5,287	5,275	5,262	5,250	5,237	5,225	5,212	5,200	5,187	5,175	5,162	62,772
8.	Investment Expenses														
a.	Depreciation (D)		5,117	5,117	5,117	5,117	5,117	5,117	5,117	5,117	5,117	5,117	5,117	5,117	61,404
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		26,174	26,124	26,075	26,025	25,976	25,925	25,876	25,826	25,777	25,727	25,677	25,627	310,809
a.	Recoverable Costs Allocated to Energy		26,174	26,124	26,075	26,025	25,976	25,925	25,876	25,826	25,777	25,727	25,677	25,627	310,809
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		25,963	25,914	25,975	25,841	25,808	25,773	25,725	25,711	25,689	25,698	25,624	25,573	309,294
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)		\$25,963	\$25,914	\$25,975	\$25,841	\$25,808	\$25,773	\$25,725	\$25,711	\$25,689	\$25,698	\$25,624	\$25,573	\$309,294

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.44
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.4%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

33

**Tampa Electric Company**  
Environmental Cost Recovery Clause (ECRC)  
Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
a.	Expenditures/Additions		0	0	0	0	0	0	0	0	0	0	0	0	0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$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	(215,425)	(219,960)	(224,495)	(229,030)	(233,565)	(238,100)	(242,635)	(247,170)	(251,705)	(256,240)	(260,775)	(265,310)	(269,845)	(269,845)
4.	CWMP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$1,433,696	1,429,161	1,424,626	1,420,091	1,415,556	1,411,021	1,406,486	1,401,951	1,397,416	1,392,881	1,388,346	1,383,811	1,379,276	1,379,276
6.	Average Net Investment		1,431,429	1,426,894	1,422,359	1,417,824	1,413,289	1,408,754	1,404,219	1,399,684	1,395,149	1,390,614	1,386,079	1,381,544	1,381,544
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		10,400	10,367	10,334	10,301	10,268	10,236	10,203	10,170	10,137	10,104	10,071	10,038	\$122,629
b.	Debt Component Grossed Up For Taxes (C)		3,498	3,487	3,476	3,465	3,454	3,443	3,431	3,420	3,409	3,398	3,387	3,376	41,244
8.	Investment Expenses														
a.	Depreciation (D)		4,535	4,535	4,535	4,535	4,535	4,535	4,535	4,535	4,535	4,535	4,535	4,535	54,420
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)		18,433	18,389	18,345	18,301	18,257	18,214	18,169	18,125	18,081	18,037	17,993	17,949	218,293
a.	Recoverable Costs Allocated to Energy		18,433	18,389	18,345	18,301	18,257	18,214	18,169	18,125	18,081	18,037	17,993	17,949	218,293
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	0.9978769
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819
12.	Retail Energy-Related Recoverable Costs (E)		18,284	18,241	18,274	18,172	18,139	18,107	18,063	18,044	18,019	18,017	17,956	17,911	217,227
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)		\$18,284	\$18,241	\$18,274	\$18,172	\$18,139	\$18,107	\$18,063	\$18,044	\$18,019	\$18,017	\$17,956	\$17,911	\$217,227

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.41
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.3%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

34

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 18 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887	\$1,581,887
3.	Less: Accumulated Depreciation	(194,132)	(198,219)	(202,306)	(206,393)	(210,480)	(214,567)	(218,654)	(222,741)	(226,828)	(230,915)	(235,002)	(239,089)	(243,176)	
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)	\$1,387,755	1,383,668	1,379,581	1,375,494	1,371,407	1,367,320	1,363,233	1,359,146	1,355,059	1,350,972	1,346,885	1,342,798	1,338,711	
6.	Average Net Investment		1,385,712	1,381,625	1,377,538	1,373,451	1,369,364	1,365,277	1,361,190	1,357,103	1,353,016	1,348,929	1,344,842	1,340,755	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		10,068	10,038	10,009	9,979	9,949	9,920	9,890	9,860	9,831	9,801	9,771	9,741	\$118,857
b.	Debt Component Grossed Up For Taxes (C)		3,386	3,376	3,366	3,356	3,346	3,336	3,326	3,316	3,306	3,296	3,286	3,276	39,972
8.	Investment Expenses														
a.	Depreciation (D)		4,087	4,087	4,087	4,087	4,087	4,087	4,087	4,087	4,087	4,087	4,087	4,087	49,044
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		17,541	17,501	17,462	17,422	17,382	17,343	17,303	17,263	17,224	17,184	17,144	17,104	207,873
a.	Recoverable Costs Allocated to Energy		17,541	17,501	17,462	17,422	17,382	17,343	17,303	17,263	17,224	17,184	17,144	17,104	207,873
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9968915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		17,399	17,360	17,395	17,299	17,270	17,241	17,202	17,186	17,165	17,165	17,109	17,068	206,859
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)		\$17,399	\$17,360	\$17,395	\$17,299	\$17,270	\$17,241	\$17,202	\$17,186	\$17,165	\$17,165	\$17,109	\$17,068	\$206,859

**Notes:**

- (A) Applicable depreciable base for Big Bend, account 312.42
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

35

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-8A  
 Page 19 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507	\$2,706,507
3.	Less: Accumulated Depreciation	(189,926)	(195,731)	(201,536)	(207,341)	(213,146)	(218,951)	(224,756)	(230,561)	(236,366)	(242,171)	(247,976)	(253,781)	(259,586)	(259,586)
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)	\$2,516,581	2,510,776	2,504,971	2,499,166	2,493,361	2,487,556	2,481,751	2,475,946	2,470,141	2,464,336	2,458,531	2,452,726	2,446,921	
6.	Average Net Investment		2,513,679	2,507,874	2,502,069	2,496,264	2,490,459	2,484,654	2,478,849	2,473,044	2,467,239	2,461,434	2,455,629	2,449,824	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		18,264	18,221	18,179	18,137	18,095	18,053	18,010	17,968	17,926	17,884	17,842	17,800	\$216,379
b.	Debt Component Grossed Up For Taxes (C)		6,143	6,128	6,114	6,100	6,086	6,072	6,057	6,043	6,029	6,015	6,001	5,987	72,775
8.	Investment Expenses														
a.	Depreciation (D)		5,805	5,805	5,805	5,805	5,805	5,805	5,805	5,805	5,805	5,805	5,805	5,805	69,660
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)		30,212	30,154	30,098	30,042	29,986	29,930	29,872	29,816	29,760	29,704	29,648	29,592	358,814
a.	Recoverable Costs Allocated to Energy		30,212	30,154	30,098	30,042	29,986	29,930	29,872	29,816	29,760	29,704	29,648	29,592	358,814
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		29,968	29,911	29,982	29,830	29,792	29,755	29,698	29,683	29,658	29,671	29,587	29,529	357,064
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)		\$29,968	\$29,911	\$29,982	\$29,830	\$29,792	\$29,755	\$29,698	\$29,683	\$29,658	\$29,671	\$29,587	\$29,529	\$357,064

**Notes:**

- (A) Applicable depreciable base for Big Bend: account 312.43 (\$1,995,677) and 315.43 (\$710,830)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 2.6% and 2.5%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

36

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 19 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 20 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$20,912	\$4,969	\$882	(\$793)	\$12	\$74,088	\$2	\$0	\$0	\$0	\$0	\$0	\$100,071
b.	Clearings to Plant		6,059	2,301	(19)	124,210	12	74,088	2	0	0	0	0	0	206,652
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)	\$83,892,660	\$83,898,720	\$83,901,021	\$83,901,002	\$84,025,211	\$84,025,223	\$84,099,311	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314	\$84,099,314
3.	Less: Accumulated Depreciation	(1,467,937)	(1,652,512)	(1,837,101)	(2,021,694)	(2,206,287)	(2,391,222)	(2,576,157)	(2,762,570)	(2,948,983)	(3,135,396)	(3,321,809)	(3,508,222)	(3,694,635)	
4.	CWIP - Non-Interest Bearing	106,581	121,434	124,102	125,003	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$82,531,304	\$82,367,642	\$82,188,022	\$82,004,311	\$81,818,924	\$81,634,001	\$81,523,154	\$81,336,744	\$81,150,331	\$80,963,918	\$80,777,505	\$80,591,092	\$80,404,679	
6.	Average Net Investment		82,449,473	82,277,832	82,096,167	81,911,618	81,726,463	81,578,578	81,429,949	81,243,537	81,057,124	80,870,711	80,684,298	80,497,885	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		599,050	597,803	596,483	595,143	593,797	592,723	591,643	590,288	588,934	587,580	586,225	584,871	\$7,104,540
b.	Debt Component Grossed Up For Taxes (C)		201,479	201,060	200,616	200,165	199,712	199,351	198,988	198,532	198,077	197,621	197,166	196,710	2,389,477
8.	Investment Expenses														
a.	Depreciation (D)		184,575	184,589	184,593	184,593	184,935	184,935	186,413	186,413	186,413	186,413	186,413	186,413	2,226,698
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)		985,104	983,452	981,692	979,901	978,444	977,009	977,044	975,233	973,424	971,614	969,804	967,994	11,720,715
a.	Recoverable Costs Allocated to Energy		985,104	983,452	981,692	979,901	978,444	977,009	977,044	975,233	973,424	971,614	969,804	967,994	11,720,715
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		977,144	975,535	977,910	972,988	972,124	971,289	971,341	970,892	970,094	970,537	967,798	965,939	11,663,591
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)		\$977,144	\$975,535	\$977,910	\$972,988	\$972,124	\$971,289	\$971,341	\$970,892	\$970,094	\$970,537	\$967,798	\$965,939	\$11,663,591

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.41 (\$25,152,322), 312.41 (\$52,950,344), 315.41 (\$5,040,181), and 316.41 (\$956,467).
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 1.4%, 3.3%, 2.5% and 1.2%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11



**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 21 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$14,853	\$2,668	\$901	\$0	\$0	\$0	\$55,541	\$103	\$192,159	\$348,553	\$356,447	\$264,147	\$1,235,371
b.	Clearings to Plant		0	0	0	125,003	0	0	0	0	0	0	896,497	8,238	829,737
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)	\$91,495,521	\$91,495,521	\$91,495,521	\$91,495,521	\$91,620,524	\$91,620,524	\$91,620,524	\$91,620,524	\$91,620,524	\$91,620,524	\$91,620,524	\$92,317,021	\$92,325,259	
3.	Less: Accumulated Depreciation	(3,058,932)	(3,254,949)	(3,450,966)	(3,646,983)	(3,843,000)	(4,039,340)	(4,235,680)	(4,432,020)	(4,628,360)	(4,824,700)	(5,021,040)	(5,217,380)	(5,415,519)	
4.	CWIP - Non-Interest Bearing	106,581	121,434	124,102	125,003	(0)	(0)	(0)	55,541	55,643	247,802	596,355	256,306	512,215	
5.	Net Investment (Lines 2 + 3 + 4)	\$88,543,170	\$88,362,006	\$88,168,657	\$87,973,541	\$87,777,524	\$87,581,184	\$87,384,844	\$87,244,045	\$87,047,807	\$87,043,627	\$87,195,839	\$87,355,946	\$87,421,955	
6.	Average Net Investment		88,452,588	88,265,332	88,071,099	87,875,533	87,679,354	87,483,014	87,314,445	87,145,926	87,045,717	87,119,733	87,275,893	87,388,951	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		642,667	641,306	639,895	638,474	637,049	635,622	634,398	633,173	632,445	632,983	634,118	634,939	\$7,637,069
b.	Debt Component Grossed Up For Taxes (C)		216,149	215,691	215,216	214,739	214,259	213,779	213,367	212,956	212,711	212,892	213,273	213,549	2,568,581
8.	Investment Expenses														
a.	Depreciation (D)		196,017	196,017	196,017	196,017	196,340	196,340	196,340	196,340	196,340	196,340	196,340	198,139	2,356,587
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)		1,054,833	1,053,014	1,051,128	1,049,230	1,047,648	1,045,741	1,044,105	1,042,469	1,041,496	1,042,215	1,043,731	1,046,627	12,562,237
a.	Recoverable Costs Allocated to Energy		1,054,833	1,053,014	1,051,128	1,049,230	1,047,648	1,045,741	1,044,105	1,042,469	1,041,496	1,042,215	1,043,731	1,046,627	12,562,237
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		1,046,310	1,044,537	1,047,078	1,041,828	1,040,881	1,039,619	1,038,010	1,037,829	1,037,933	1,041,060	1,041,572	1,044,405	12,501,062
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)		\$1,046,310	\$1,044,537	\$1,047,078	\$1,041,828	\$1,040,881	\$1,039,619	\$1,038,010	\$1,037,829	\$1,037,933	\$1,041,060	\$1,041,572	\$1,044,405	\$12,501,062

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.42 (\$25,208,869), 312.42 (\$50,243,347), 315.42 (\$15,914,427), and 316.42 (\$958,616).
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 1.6%, 3.1%, 2.5% and 2.0%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

38

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 22 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$333	\$511,969	\$499,292	\$45,035	\$1,120	\$390	\$0	\$0	\$0	\$4,144	(\$4,144)	\$4,144	\$1,062,263
b.	Clearings to Plant		0	0	0	1,442,662	1,120	390	0	0	0	4,144	(4,144)	4,144	1,448,317
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)	\$78,714,882	\$78,714,882	\$78,714,882	\$78,714,882	\$80,157,544	\$80,158,664	\$80,159,055	\$80,159,055	\$80,159,055	\$80,159,055	\$80,163,199	\$80,159,055	\$80,163,199	
3.	Less: Accumulated Depreciation	(4,645,109)	(4,789,282)	(4,933,455)	(5,077,628)	(5,221,801)	(5,369,099)	(5,516,400)	(5,663,702)	(5,811,004)	(5,958,306)	(6,105,608)	(6,252,919)	(6,400,221)	
4.	CWIP - Non-Interest Bearing	386,034	386,366	898,335	1,397,627	0	0	0	0	0	0	0	0	0	0
5.	Net Investment (Lines 2 + 3 + 4)	\$74,455,806	74,311,966	74,679,762	75,034,681	74,935,743	74,789,565	74,642,655	74,495,353	74,348,051	74,200,749	74,057,591	73,906,136	73,762,978	
6.	Average Net Investment		74,383,886	74,495,864	74,857,322	74,985,312	74,862,654	74,716,110	74,569,004	74,421,702	74,274,400	74,129,170	73,981,863	73,834,557	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		540,449	541,262	543,888	544,818	543,927	542,862	541,794	540,723	539,653	538,598	537,528	536,457	\$6,491,959
b.	Debt Component Grossed Up For Taxes (C)		181,769	182,043	182,926	183,239	182,939	182,581	182,222	181,862	181,502	181,147	180,787	180,427	2,183,444
8.	Investment Expenses														
a.	Depreciation (D)		144,173	144,173	144,173	144,173	147,298	147,301	147,302	147,302	147,302	147,302	147,311	147,302	1,755,112
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		866,391	867,478	870,987	872,230	874,164	872,744	871,318	869,887	868,457	867,047	865,626	864,186	10,430,515
a.	Recoverable Costs Allocated to Energy		866,391	867,478	870,987	872,230	874,164	872,744	871,318	869,887	868,457	867,047	865,626	864,186	10,430,515
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		859,390	860,495	867,631	866,076	868,518	867,635	866,232	866,015	865,486	866,086	863,836	862,351	10,379,751
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)		\$859,390	\$860,495	\$867,631	\$866,076	\$868,518	\$867,635	\$866,232	\$866,015	\$865,486	\$866,086	\$863,836	\$862,351	\$10,379,751

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.43 (\$21,689,422), 312.43 (\$43,958,139), 315.43 (\$13,690,954), and 316.43 (\$824,684).
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rates are 1.2%, 2.6%, 2.5%, and 2.7%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

39

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 22 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 23 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Plant-in-Service/Depreciation Base (A)	\$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	\$62,853,033	\$62,853,033	\$62,853,033	
3.	Less: Accumulated Depreciation	(5,145,308)	(5,253,906)	(5,362,504)	(5,471,102)	(5,579,700)	(5,688,298)	(5,796,896)	(5,905,494)	(6,014,092)	(6,122,690)	(6,231,288)	(6,339,886)	(6,448,484)	
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)	\$57,707,725	\$57,599,127	\$57,490,529	\$57,381,931	\$57,273,333	\$57,164,735	\$57,056,137	\$56,947,539	\$56,838,941	\$56,730,343	\$56,621,745	\$56,513,147	\$56,404,549	
6.	Average Net Investment		57,653,426	57,544,828	57,436,230	57,327,632	57,219,034	57,110,436	57,001,838	56,893,240	56,784,642	56,676,044	56,567,446	56,458,848	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		418,891	418,102	417,313	416,523	415,734	414,945	414,156	413,367	412,578	411,789	411,000	410,211	\$4,974,609
b.	Debt Component Grossed Up For Taxes (C)		140,886	140,620	140,355	140,090	139,824	139,559	139,293	139,028	138,763	138,497	138,232	137,967	1,673,114
8.	Investment Expenses														
a.	Depreciation (D)		108,598	108,598	108,598	108,598	108,598	108,598	108,598	108,598	108,598	108,598	108,598	108,598	1,303,176
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)		668,375	667,320	666,266	665,211	664,156	663,102	662,047	660,993	659,939	658,884	657,830	656,776	7,950,899
a.	Recoverable Costs Allocated to Energy		668,375	667,320	666,266	665,211	664,156	663,102	662,047	660,993	659,939	658,884	657,830	656,776	7,950,899
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		662,974	661,948	663,699	660,518	659,866	659,220	658,183	658,051	657,681	658,154	656,470	655,382	7,912,146
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)		\$662,974	\$661,948	\$663,699	\$660,518	\$659,866	\$659,220	\$658,183	\$658,051	\$657,681	\$658,154	\$656,470	\$655,382	\$7,912,146

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 311.44 (\$16,857,250), 312.44 (\$34,665,822), 315.44 (\$10,642,027), and 316.44 (\$687,934).
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 1.4%, 2.4%, 2.1%, and 1.7%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

40

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 23 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 24 of 26

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

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$442,854	\$93,805	\$49,879	\$84,367	\$420,821	\$1,144,115	\$1,112,743	\$589,367	\$1,042,670	\$2,045,769	\$7,026,389
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)	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029	\$11,566,029
3.	Less: Accumulated Depreciation	(828,433)	(850,722)	(873,011)	(895,300)	(917,589)	(939,878)	(962,167)	(984,456)	(1,006,745)	(1,029,034)	(1,051,323)	(1,073,612)	(1,095,901)	(1,095,901)
4.	CWIP - Non-Interest Bearing	0	0	0	442,854	536,659	586,538	670,905	1,091,726	2,235,840	3,348,584	3,937,951	4,980,621	7,026,389	
5.	Net Investment (Lines 2 + 3 + 4)	\$10,737,596	10,715,307	10,693,018	11,113,582	11,185,099	11,212,689	11,274,767	11,673,298	12,795,124	13,885,578	14,452,656	15,473,037	17,496,517	
6.	Average Net Investment		10,726,451	10,704,162	10,903,300	11,149,340	11,198,894	11,243,728	11,474,033	12,234,211	13,340,351	14,169,117	14,962,847	16,484,777	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		77,935	77,773	79,220	81,007	81,367	81,693	83,366	88,890	96,927	102,948	108,715	119,773	\$1,079,614
b.	Debt Component Grossed Up For Taxes (C)		26,212	26,157	26,644	27,245	27,366	27,476	28,039	29,896	32,599	34,625	36,564	40,283	363,106
8.	Investment Expenses														
a.	Depreciation (D)		22,289	22,289	22,289	22,289	22,289	22,289	22,289	22,289	22,289	22,289	22,289	22,289	267,468
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)		126,436	126,219	128,153	130,541	131,022	131,458	133,694	141,075	151,815	159,862	167,568	182,345	1,710,188
a.	Recoverable Costs Allocated to Energy		126,436	126,219	128,153	130,541	131,022	131,458	133,694	141,075	151,815	159,862	167,568	182,345	1,710,188
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		125,414	125,203	127,659	129,620	130,176	130,688	132,914	140,447	151,296	159,685	167,221	181,958	1,702,281
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)		\$125,414	\$125,203	\$127,659	\$129,620	\$130,176	\$130,688	\$132,914	\$140,447	\$151,296	\$159,685	\$167,221	\$181,958	\$1,702,281

**Notes:**

- (A) Applicable depreciable base for Big Bend; account 312.44 (\$1,456,209) and 312.45 (\$10,109,820)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12
- (D) Applicable depreciation rate is 2.4% and 2.3%.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

41

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 24 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
**January 2011 to December 2011**

Form 42-BA  
 Page 25 of 26

Return on Capital Investments, Depreciation and Taxes  
 For Project: Clean Air Mercury Rule  
 (in Dollars)

Line	Description	Beginning of Period Amount	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Expenditures/Additions		\$0	\$0	\$0	\$22,458	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$52,300	\$74,758
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)	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053	\$1,169,053
3.	Less: Accumulated Depreciation	(57,348)	(60,271)	(63,194)	(66,117)	(69,040)	(71,963)	(74,886)	(77,809)	(80,732)	(83,655)	(86,578)	(89,501)	(92,424)	(92,424)
4.	CWMP - Non-Interest Bearing	0	0	0	0	22,458	22,458	22,458	22,458	22,458	22,458	22,458	22,458	22,458	74,758
5.	Net Investment (Lines 2 + 3 + 4)	\$1,111,705	1,108,782	1,105,859	1,102,936	1,122,471	1,119,548	1,116,625	1,113,702	1,110,779	1,107,856	1,104,933	1,102,010	1,151,387	
6.	Average Net Investment		1,110,244	1,107,321	1,104,398	1,112,704	1,121,010	1,118,087	1,115,164	1,112,241	1,109,318	1,106,395	1,103,472	1,126,699	
7.	Return on Average Net Investment														
a.	Equity Component Grossed Up For Taxes (B)		8,067	8,045	8,024	8,085	8,145	8,124	8,102	8,081	8,060	8,039	8,017	8,186	\$96,975
b.	Debt Component Grossed Up For Taxes (C)		2,713	2,706	2,699	2,719	2,739	2,732	2,725	2,718	2,711	2,704	2,697	2,753	32,616
8.	Investment Expenses														
a.	Depreciation (D)		2,923	2,923	2,923	2,923	2,923	2,923	2,923	2,923	2,923	2,923	2,923	2,923	35,076
b.	Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
d.	Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
e.	Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Total System Recoverable Expenses (Lines 7 + 8)		13,703	13,674	13,646	13,727	13,807	13,779	13,750	13,722	13,694	13,666	13,637	13,862	164,667
a.	Recoverable Costs Allocated to Energy		13,703	13,674	13,646	13,727	13,807	13,779	13,750	13,722	13,694	13,666	13,637	13,862	164,667
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		13,592	13,564	13,593	13,630	13,718	13,698	13,670	13,661	13,647	13,651	13,809	13,833	163,866
13.	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$13,592	\$13,564	\$13,593	\$13,630	\$13,718	\$13,698	\$13,670	\$13,661	\$13,647	\$13,651	\$13,809	\$13,833	\$163,866

**Notes:**

- (A) Applicable depreciable base for Big Bend and Polk; accounts 312.41, 312.43, 312.44, 345.81, and 315.40 (\$1,169,053)
- (B) Line 6 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (C) Line 6 x 2.9324% x 1/12.
- (D) Applicable depreciation rate is 3.0%, 3.3%, 2.6%, 2.4% and 3.1%
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

42

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
 January 2011 to December 2011

Form 42-8A  
 Page 26 of 26

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	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December	End of Period Total
1.	Investments														
a.	Purchases/Transfers		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b.	Sales/Transfers		\$0	0	0	0	0	0	0	0	0	0	0	0	0
c.	Auction Proceeds/Other		0	0	0	3,604	0	0	0	0	0	0	0	0	3,604
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	(39,823)	(39,686)	(39,577)	(39,481)	(39,348)	(39,244)	(39,126)	(39,021)	(38,882)	(38,782)	(38,677)	(38,566)	(38,451)	
3.	Total Working Capital Balance	<u>(\$39,823)</u>	<u>(39,686)</u>	<u>(39,577)</u>	<u>(39,481)</u>	<u>(39,348)</u>	<u>(39,244)</u>	<u>(39,126)</u>	<u>(39,021)</u>	<u>(38,882)</u>	<u>(38,782)</u>	<u>(38,677)</u>	<u>(38,566)</u>	<u>(38,451)</u>	
4.	Average Net Working Capital Balance		(\$39,754)	(\$39,631)	(\$39,529)	(\$39,415)	(\$39,296)	(\$39,185)	(\$39,074)	(\$38,951)	(\$38,832)	(\$38,730)	(\$38,622)	(\$38,509)	
5.	Return on Average Net Working Capital Balance														
a.	Equity Component Grossed Up For Taxes (A)		(289)	(288)	(287)	(286)	(286)	(285)	(284)	(283)	(282)	(281)	(281)	(280)	(3,412)
b.	Debt Component Grossed Up For Taxes (B)		(97)	(97)	(97)	(96)	(96)	(96)	(95)	(95)	(95)	(95)	(94)	(94)	(1,147)
6.	Total Return Component		<u>(386)</u>	<u>(385)</u>	<u>(384)</u>	<u>(382)</u>	<u>(382)</u>	<u>(381)</u>	<u>(379)</u>	<u>(378)</u>	<u>(377)</u>	<u>(376)</u>	<u>(375)</u>	<u>(374)</u>	<u>(4,559)</u>
7.	Expenses:														
a.	Gains		0	0	0	(3,604)	0	0	0	0	0	0	0	0	(3,604)
b.	Losses		0	0	0	0	0	0	0	0	0	0	0	0	0
c.	SO <sub>2</sub> Allowance Expense		1,750	328	2,030	4,795	4,640	3,328	2,821	1,124	326	(119)	(140)	(105)	20,778
8.	Net Expenses (D)		<u>1,750</u>	<u>328</u>	<u>2,030</u>	<u>1,191</u>	<u>4,640</u>	<u>3,328</u>	<u>2,821</u>	<u>1,124</u>	<u>326</u>	<u>(119)</u>	<u>(140)</u>	<u>(105)</u>	<u>17,174</u>
9.	Total System Recoverable Expenses (Lines 6 + 8)		<u>1,364</u>	<u>(57)</u>	<u>1,646</u>	<u>809</u>	<u>4,258</u>	<u>2,947</u>	<u>2,442</u>	<u>746</u>	<u>(51)</u>	<u>(495)</u>	<u>(515)</u>	<u>(479)</u>	<u>12,615</u>
a.	Recoverable Costs Allocated to Energy		1,364	(57)	1,646	809	4,258	2,947	2,442	746	(51)	(495)	(515)	(479)	12,615
b.	Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Energy Jurisdictional Factor		0.9919197	0.9919498	0.9961474	0.9929449	0.9935407	0.9941458	0.9941629	0.9955490	0.9965789	0.9988915	0.9979319	0.9978769	
11.	Demand Jurisdictional Factor		0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	0.9674819	
12.	Retail Energy-Related Recoverable Costs (E)		1,353	(57)	1,640	803	4,230	2,930	2,428	743	(51)	(494)	(514)	(478)	12,533
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)		<u>\$1,353</u>	<u>(\$57)</u>	<u>\$1,640</u>	<u>\$803</u>	<u>\$4,230</u>	<u>\$2,930</u>	<u>\$2,428</u>	<u>\$743</u>	<u>(\$51)</u>	<u>(\$494)</u>	<u>(\$514)</u>	<u>(\$478)</u>	<u>\$12,533</u>

**Notes:**

- (A) Line 4 x 8.7188% x 1/12. Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.628002).
- (B) Line 4 x 2.9324% x 1/12.
- (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.

<sup>1</sup> Subject to Baseline Analytics

43

DOCKET NO. 120007-EI  
 ECRC 2011 FINAL TRUE-UP  
 EXHIBIT HTB-1, DOC. NO. 8, PAGE 26 OF 26

**Tampa Electric Company**  
 Environmental Cost Recovery Clause (ECRC)  
 Calculation of the Final True-Up Amount for the Period  
January 2011 to December 2011

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

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base 2009 Test Year (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,384,999	40.29%	6.80%	2.7397%
Short Term Debt	7,905	0.23%	2.75%	0.0063%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	99,502	2.89%	6.07%	0.1754%
Common Equity	1,632,612	47.49%	11.25%	5.3426%
Deferred ITC - Weighted Cost	8,964	0.26%	9.19%	0.0239%
Accumulated Deferred Income Taxes Zero Cost ITCs	<u>303,629</u>	<u>8.83%</u>	0.00%	<u>0.0000%</u>
<b>Total</b>	<b>\$ 3,437,611</b>	<b>100.00%</b>		<b>8.2879%</b>

**ITC split between Debt and Equity:**

Long Term Debt	\$ 1,384,999	Long Term Debt	45.78%
Short Term Debt	7,905	Short Term Debt	0.26%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>1,632,612</u>	Equity - Common	<u>53.96%</u>
<b>Total</b>	<b>\$ 3,025,516</b>	<b>Total</b>	<b><u>100.00%</u></b>

**Deferred ITC - Weighted Cost:**

Debt = .0239% * 46.04%	0.0110%
Equity = .0239% * 53.96%	<u>0.0129%</u>
Weighted Cost	<u>0.0239%</u>

**Total Equity Cost Rate:**

Preferred Stock	0.0000%
Common Equity	5.3426%
Deferred ITC - Weighted Cost	<u>0.0129%</u>
	5.3555%
Times Tax Multiplier	1.628002
Total Equity Component	<u>8.7188%</u>

**Total Debt Cost Rate:**

Long Term Debt	2.7397%
Short Term Debt	0.0063%
Customer Deposits	0.1754%
Deferred ITC - Weighted Cost	<u>0.0110%</u>
Total Debt Component	<u>2.9324%</u>

**Notes:**

Column (1) - From Order No. PSC-09-0571-FOF-EI  
 Column (2) - Column (1) / Total Column (1)  
 Column (3) - From Order No. PSC-09-0571-FOF-EI  
 Column (4) - Column (2) x Column (3)