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August 2, 2013

HAND DELIVERED

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

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor; FPSC Docket No. 130001-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 each of the following

1. Prepared Direct Testimony and Exhibit No. (PAR-2) of Penelope A. Rusk regarding Fuel and Purchased Power Cost Recovery and Capacity Cost Recovery Actual/Estimated True-Up for the period January 2013 through December 2013.

2. Prepared Direct Testimony and Exhibit No. (JBC-2) of J. Brent Caldwell regarding Tampa Electric Company's Fuel Procurement and Wholesale Power Purchases Risk Management Plan 2014.

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

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp
Enclosures

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

COM 5
AFD 3
APA
ECO 1
ENG 1
GCL 1
IDM
TEL
CLK 1

TECO
TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 130001-EI
IN RE: TAMPA ELECTRIC'S
FUEL & PURCHASED POWER COST RECOVERY
AND CAPACITY COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP
JANUARY 2013 THROUGH DECEMBER 2013

TESTIMONY AND EXHIBIT
OF
PENELOPE A. RUSK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

PENELOPE A. RUSK

Q. Please state your name, address, occupation and employer.

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

Q. Please provide a brief outline of your educational background and business experience.

A. I received a Bachelor of Arts degree in Economics from the University of New Orleans in 1995, and I received a Master of Arts degree in Economics from the University of South Florida in Tampa in 1997. I joined Tampa Electric in 1997, as an Economist in the Load Forecasting Department. In 2000, I joined the Regulatory Affairs Department, where I have assumed positions of increasing responsibility in the areas of fuel and capacity cost recovery. I have accumulated 16 years of electric

utility experience working in the areas of load forecasting, cost recovery clauses, as well as project management and rate setting activities for wholesale and retail rate cases. My duties include managing cost recovery for fuel and purchased power, interchange sales, and capacity payments.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present, for Commission review and approval, the calculation of the January 2013 through December 2013 fuel and purchased power and capacity true-up amounts to be recovered in the January 2014 through December 2014 projection period. My testimony addresses the recovery of fuel and purchased power costs as well as capacity costs for the year 2013, based on six months of actual data and six months of estimated data. This information will be used in the determination of the 2014 fuel and purchased power costs and capacity cost recovery factors.

Q. Have you prepared any exhibits to support your testimony?

A. Yes. I have prepared Exhibit No. ____ (PAR-2), which contains three documents. Document No. 1 is comprised of

Schedules E1-B, E-2, E-3, E-4, E-5, E-6, E-7, E-8, and E-9, which provide the actual/estimated fuel and purchased power cost recovery true-up amount for the period January 2013 through December 2013. Document No. 2 provides the actual/estimated capacity cost recovery true-up amount for the period of January 2013 through December 2013. Document No. 3 provides the actual/estimated Polk Unit 1 ignition oil conversion project capital costs and fuel savings for the period of January 2013 through December 2013. These documents are furnished as support for the projected true-up amount for this period.

Fuel and Purchased Power Cost Recovery Factors

Q. What has Tampa Electric calculated as the estimated net true-up amount for the current period to be applied in the January 2014 through December 2014 fuel and purchased power cost recovery factors?

A. The estimated net true-up amount applicable for the period January 2013 through December 2013 is an over-recovery of $15,630,547.

Q. How did Tampa Electric calculate the estimated net true-up amount to be applied in the January 2014 through December 2014 fuel and purchased power cost recovery

factors?

A. The net true-up amount to be recovered in 2014 is the sum of the final true-up amount for the period January 2012 through December 2012 and the actual/estimated true-up amount for the period January 2013 through December 2013.

Q. What did Tampa Electric calculate as the final fuel and purchased power cost recovery true-up amount for 2012?

A. The final true-up was an over-recovery of $903,071. The actual fuel cost over-recovery, including interest was $70,222,929 for the period January 2012 through December 2012. The $70,222,929 amount, less the actual/estimated over-recovery amount of $69,319,858 approved in Order No. PSC-12-0664-FOF-EI, issued December 21, 2012 in Docket No. 120001-EI resulted in a net over-recovery amount for the period of $903,071.

Q. What did Tampa Electric calculate as the actual/estimated fuel and purchased power cost recovery true-up amount for the period January 2013 through December 2013?

A. The actual/estimated fuel and purchased power cost recovery true-up is an over-recovery amount of

$14,727,476 for the January 2013 through December 2013 period. The detailed calculation supporting the actual/estimated current period true-up is shown in Exhibit No. ____ (PAR-2), Document No. 1 on Schedule E1-B.

Capacity Cost Recovery Clause

Q. What has Tampa Electric calculated as the estimated net true-up amount to be applied in the January 2014 through December 2014 capacity cost recovery factors?

A. The estimated net true-up amount applicable for January 2014 through December 2014 is an under-recovery of $591,765 as shown in Exhibit No. ____ (PAR-2), Document No. 2, page 2 of 5.

Q. How did Tampa Electric calculate the estimated net true-up amount to be applied in the January 2014 through December 2014 capacity cost recovery factors?

A. The net true-up amount to be recovered in the 2014 capacity cost recovery factors is the sum of the final true-up amount for 2012 and the actual/estimated true-up amount for January 2013 through December 2013.

Q. What did Tampa Electric calculate as the final capacity cost recovery true-up amount for 2012?

A. The final 2012 true-up is an under-recovery of $126,648. The actual capacity cost under-recovery including interest was $6,829,153 for the period January 2012 through December 2012. This amount, less the $6,702,505 actual/estimated under-recovery amount approved in Order No. PSC-12-0664-FOF-EI issued December 21, 2012 in Docket No. 120001-EI results in a net under-recovery amount for the period of $126,648 as identified in Exhibit No. ____ (PAR-2), Document No. 2, page 1 of 5.

Q. What did Tampa Electric calculate as the actual/estimated capacity cost recovery true-up amount for the period January 2013 through December 2013?

A. The actual/estimated true-up amount is an under-recovery of $465,117 as shown on Exhibit No. ____ (PAR-2), Document No. 2, page 1 of 5.

Polk Unit 1 Ignition Oil Conversion

Q. What did Tampa Electric calculate as the actual/estimated Polk Unit 1 ignition oil conversion project costs for the period January 2013 through December 2013?

A. The actual/estimated Polk Unit 1 ignition oil conversion project capital costs, including depreciation and return, for the period of January 2013 through December 2013 are $2,356,259. This is shown in Exhibit No. ____ (PAR-2), Document No. 3.

Q. What did Tampa Electric calculate as the actual/estimated Polk Unit 1 ignition oil conversion project fuel savings for the period January 2013 through December 2013?

A. The actual/estimated fuel savings for the period January 2013 through December 2013 are $11,909,927, as shown in Exhibit No. ___ (PAR-2), Document No. 3.

Q. Should Tampa Electric's Polk Unit 1 ignition oil conversion project capital costs be recovered through the fuel clause?

A. Yes. The January 2013 through December 2013 actual/estimated fuel savings are greater than the project capital costs, providing an expected net benefit to customers; therefore, the costs are eligible for recovery through the fuel clause in accordance with FPSC Order No. PSC-12-0498-PAA-EI, issued in Docket No. 120153-EI on September 27, 2012.

Q. Does this conclude your testimony?

A. Yes, it does.

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 1

FUEL AND PURCHASED POWER COST RECOVERY

ACTUAL / ESTIMATED

JANUARY 2013 THROUGH DECEMBER 2013

TAMPA ELECTRIC COMPANY

TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
CALCULATION OF ESTIMATED TRUE-UP
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E1-B

		ACTUAL						ESTIMATED						
		Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	TOTAL
A. 1.	Fuel Cost of System Net Generation	47,575,217	41,797,777	49,807,915	51,106,017	61,597,686	66,624,726	70,420,741	72,990,974	69,210,960	63,676,461	52,778,546	54,153,417	701,740,437
2.	Fuel Cost of Power Sold [1]	57,983	204,612	940,848	1,273,814	1,289,151	628,996	411,387	394,287	411,957	455,687	430,357	559,428	7,058,507
3.	Fuel Cost of Purchased Power	869,784	604,599	93,248	156,018	171,977	1,118,884	1,656,270	1,133,340	1,640,920	848,780	603,610	195,540	9,092,970
3a.	Demand and Non-Fuel Cost of Purchased Pwr	0	0	0	0	0	0	0	0	0	0	0	0	0
3b.	Payments to Qualifying Facilities	851,284	575,496	564,698	550,239	527,434	759,243	623,667	631,372	621,053	633,498	626,871	617,893	7,582,748
4.	Energy Cost of Economy Purchases	1,659,542	1,329,876	485,984	5,026,104	2,810,164	925,277	747,690	344,302	784,969	556,235	440,858	613,034	15,724,035
5.	Polk 1 Conversion Depreciation & ROI	0	0	0	0	0	74,893	385,626	383,467	381,307	379,148	376,988	374,828	2,356,257
5a.	Adjustment to Fuel Cost	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	**TOTAL FUEL & NET POWER TRANS.**	**50,897,844**	**44,103,136**	**50,010,997**	**55,564,564**	**63,818,110**	**68,874,027**	**73,422,607**	**75,089,168**	**72,227,252**	**65,638,435**	**54,396,516**	**55,395,284**	**729,437,940**
[1]	Includes Gains													
B. 1.	Jurisdictional MWH Sales	1,393,882	1,280,888	1,309,195	1,383,298	1,466,195	1,696,252	1,788,485	1,783,316	1,824,748	1,629,257	1,387,039	1,359,771	18,302,326
2.	Non-Jurisdictional MWH Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	**TOTAL SALES (LINE B1+B2)**	**1,393,882**	**1,280,888**	**1,309,195**	**1,383,298**	**1,466,195**	**1,696,252**	**1,788,485**	**1,783,316**	**1,824,748**	**1,629,257**	**1,387,039**	**1,359,771**	**18,302,326**
4.	**Jurisdictional % of Total Sales**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	**1.0000000**	-
C. 1.	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	51,019,095	46,506,389	47,641,207	50,499,682	53,827,243	62,963,783	66,770,563	66,744,892	68,155,658	60,126,807	50,469,140	49,530,473	674,254,932
1a.	Adjustment to Fuel Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
2.	True-up Provision	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,655	5,776,653	69,319,858
2a.	Incentive Provision	44,835	44,835	44,835	44,835	44,835	44,835	44,835	44,835	44,835	44,835	44,835	44,834	538,019
3.	**FUEL REVENUE APPLICABLE TO PERIOD**	**56,840,585**	**52,327,879**	**53,462,697**	**56,321,172**	**59,648,733**	**68,785,273**	**72,592,053**	**72,566,382**	**73,977,148**	**65,948,297**	**56,290,630**	**55,351,960**	**744,112,809**
4.	Total Fuel and Net Power Transactions (Line A6)	50,897,844	44,103,136	50,010,997	55,564,564	63,818,110	68,874,027	73,422,607	75,089,168	72,227,252	65,638,435	54,396,516	55,395,284	729,437,940
5.	Jurisd. Total Fuel and Net Power Transactions (Line A6*Line B4)	50,897,844	44,103,136	50,010,997	55,564,564	63,818,110	68,874,027	73,422,607	75,089,168	72,227,252	65,638,435	54,396,516	55,395,284	729,437,940
5a.	Jurisdictional Loss Multiplier	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	-
5b.	Jurisdictional Sales Adjusted for Line Losses	50,897,844	44,103,136	50,010,997	55,564,564	63,818,110	68,874,027	73,422,607	75,089,168	72,227,252	65,638,435	54,396,516	55,395,284	729,437,940
5c.	Other	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	**JURISD. TOTAL FUEL AND NET POWER TRANSACTIONS**	**50,897,844**	**44,103,136**	**50,010,997**	**55,564,564**	**63,818,110**	**68,874,027**	**73,422,607**	**75,089,168**	**72,227,252**	**65,638,435**	**54,396,516**	**55,395,284**	**729,437,940**
7.	Over/(Under) Recovery	5,942,741	8,224,743	3,451,700	756,608	(4,169,377)	(88,754)	(830,554)	(2,522,786)	1,749,896	309,862	1,894,114	(43,324)	14,674,869
7a.	Revenue Refund True-Up Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Interest Provision	4,218	5,729	5,735	4,761	3,632	2,632	4,640	5,843	4,920	4,208	3,508	2,781	52,607
9.	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD**													**14,727,476**

TAMPA ELECTRIC COMPANY
FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E2

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
		Actual						Estimated						TOTAL
		Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	PERIOD
1.	Fuel Cost of System Net Generation	47,575,217	41,797,777	49,807,915	51,106,017	61,597,686	66,624,726	70,420,741	72,990,974	69,210,960	63,676,461	52,778,546	54,153,417	701,740,437
2.	Nuclear Fuel Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Fuel Cost of Power Sold [1]	57,983	204,612	940,848	1,273,814	1,289,151	628,996	411,387	394,287	411,957	455,687	430,357	559,428	7,058,507
4.	Fuel Cost of Purchased Power	869,784	604,599	93,248	156,018	171,977	1,118,884	1,656,270	1,133,340	1,640,920	848,780	603,610	195,540	9,092,970
5.	Demand and Non-Fuel Cost of Purchased Power	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Payments to Qualifying Facilities	851,284	575,496	564,698	550,239	527,434	759,243	623,667	631,372	621,053	633,498	626,871	617,893	7,582,748
7.	Energy Cost of Economy Purchases	1,659,542	1,329,876	485,984	5,026,104	2,810,164	925,277	747,690	344,302	784,969	556,235	440,858	613,034	15,724,035
8.	Polk 1 Conversion Depreciation & ROI	0	0	0	0	0	74,893	385,626	383,467	381,307	379,148	376,988	374,828	2,356,257
8a.	Adjustment to Fuel Cost	0	0	0	0	0	0	0	0	0	0	0	0	0
9.	**TOTAL FUEL & NET POWER TRANSACTIONS**	**50,897,844**	**44,103,136**	**50,010,997**	**55,564,564**	**63,818,110**	**68,874,027**	**73,422,607**	**75,089,168**	**72,227,252**	**65,638,435**	**54,396,516**	**55,395,284**	**729,437,940**
10.	Jurisdictional MWH Sold	1,393,882	1,280,888	1,309,195	1,383,298	1,466,195	1,696,252	1,788,485	1,783,316	1,824,748	1,629,257	1,387,039	1,359,771	18,302,326
11.	Jurisdictional % of Total Sales	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	-
12.	Jurisdictional Total Fuel & Net Power Transactions (Line 9 * Line 11)	50,897,844	44,103,136	50,010,997	55,564,564	63,818,110	68,874,027	73,422,607	75,089,168	72,227,252	65,638,435	54,396,516	55,395,284	729,437,940
13.	Jurisdictional Loss Multiplier	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	-
14.	Jurisdictional Sales Adjusted for Line Losses (Line 12 * Line 13)	50,897,844	44,103,136	50,010,997	55,564,564	63,818,110	68,874,027	73,422,607	75,089,168	72,227,252	65,638,435	54,396,516	55,395,284	729,437,940
15.	Other	0	0	0	0	0	0	0	0	0	0	0	0	0
16.	**JURISD. TOTAL FUEL & NET PWR. TRANS. (LINE 14+15)**	**50,897,844**	**44,103,136**	**50,010,997**	**55,564,564**	**63,818,110**	**68,874,027**	**73,422,607**	**75,089,168**	**72,227,252**	**65,638,435**	**54,396,516**	**55,395,284**	**729,437,940**
17.	Cost Per kWh Sold (Cents/kWh)	3.6515	3.4432	3.8200	4.0168	4.3526	4.0604	4.1053	4.2106	3.9582	4.0287	3.9218	4.0739	3.9855
18.	True-up (Cents/kWh) [2]	(0.4144)	(0.4510)	(0.4412)	(0.4176)	(0.3940)	(0.3406)	(0.3230)	(0.3239)	(0.3166)	(0.3546)	(0.4165)	(0.4248)	(0.3849)
19.	Total (Cents/kWh) (Line 17+18)	3.2371	2.9922	3.3788	3.5992	3.9586	3.7198	3.7823	3.8867	3.6416	3.6741	3.5053	3.6491	3.6007
20.	Revenue Tax Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
21.	Recovery Factor Adjusted for Taxes (Cents/kWh) (Excluding GPIF)	3.2394	2.9944	3.3812	3.6018	3.9615	3.7225	3.7850	3.8895	3.6442	3.6767	3.5078	3.6517	3.6032
22.	GPIF Adjusted for Taxes (Cents/kWh) [2]	(0.0032)	(0.0035)	(0.0034)	(0.0032)	(0.0031)	(0.0026)	(0.0025)	(0.0025)	(0.0025)	(0.0028)	(0.0032)	(0.0033)	(0.0030)
23.	**TOTAL RECOVERY FACTOR (LINE 21+22)**	**3.2362**	**2.9909**	**3.3778**	**3.5986**	**3.9584**	**3.7199**	**3.7825**	**3.8870**	**3.6417**	**3.6739**	**3.5046**	**3.6484**	**3.6002**
24.	**RECOVERY FACTOR ROUNDED TO NEAREST 0.001 CENTS/KWH**	**3.236**	**2.991**	**3.378**	**3.599**	**3.958**	**3.720**	**3.783**	**3.887**	**3.642**	**3.674**	**3.505**	**3.648**	**3.600**

[1] Includes Gains
[2] Based on Jurisdictional Sales Only

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ACTUAL FOR THE PERIOD: JANUARY 2013 THROUGH JUNE 2013

SCHEDULE E3

	ACTUAL					
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
FUEL COST OF SYSTEM NET GENERATION ($)						
1. HEAVY OIL	0	0	0	0	0	0
2. LIGHT OIL	569,602	563,813	742,615	203,514	(22,150)	4,644
3. COAL	24,464,225	16,236,277	30,045,365	24,651,021	31,926,565	32,924,310
4. NATURAL GAS	22,541,390	24,997,687	19,019,935	26,251,482	29,693,271	33,695,772
5. NUCLEAR	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0
7. TOTAL ($)	**47,575,217**	**41,797,777**	**49,807,915**	**51,106,017**	**61,597,686**	**66,624,726**
SYSTEM NET GENERATION (MWH)						
8. HEAVY OIL	0	0	0	0	0	0
9. LIGHT OIL	2,517	2,448	2,888	500	0	40
10. COAL	689,686	492,753	914,471	763,281	854,144	893,580
11. NATURAL GAS	577,318	727,221	496,133	645,500	728,230	863,933
12. NUCLEAR	0	0	0	0	0	0
13. OTHER	0	0	0	0	0	0
14. TOTAL (MWH)	**1,269,521**	**1,222,422**	**1,413,492**	**1,409,281**	**1,582,374**	**1,757,553**
UNITS OF FUEL BURNED						
15. HEAVY OIL (BBL)	0	0	0	0	0	0
16. LIGHT OIL (BBL)	4,547	4,479	5,852	1,594	(174)	35
17. COAL (TON)	298,817	220,243	391,806	335,418	374,633	404,256
18. NATURAL GAS (MCF)	4,287,064	5,283,555	3,706,166	4,801,870	5,399,416	6,417,498
19. NUCLEAR (MMBTU)	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0
BTUS BURNED (MMBTU)						
21. HEAVY OIL	0	0	0	0	0	0
22. LIGHT OIL	20,292	17,949	23,990	6,083	(644)	15,718
23. COAL	7,389,231	5,389,328	9,409,201	7,923,061	8,967,013	9,494,252
24. NATURAL GAS	4,355,657	5,362,808	3,761,758	4,873,898	5,474,303	6,500,554
25. NUCLEAR	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0
27. TOTAL (MMBTU)	**11,765,180**	**10,770,084**	**13,194,949**	**12,803,042**	**14,440,672**	**16,010,525**
GENERATION MIX (% MWH)						
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.20	0.20	0.20	0.04	0.00	0.00
30. COAL	54.32	40.31	64.70	54.16	53.98	50.84
31. NATURAL GAS	45.48	59.49	35.10	45.80	46.02	49.16
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
34. TOTAL (%)	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
FUEL COST PER UNIT						
35. HEAVY OIL ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL ($/BBL)	125.27	125.88	126.90	127.68	127.30	132.69
37. COAL ($/TON)	81.87	73.72	76.68	73.49	85.22	81.44
38. NATURAL GAS ($/MCF)	5.26	4.73	5.13	5.47	5.50	5.25
39. NUCLEAR ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST PER MMBTU ($/MMBTU)						
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	28.07	31.41	30.96	33.46	34.39	0.00
43. COAL	3.31	3.01	3.19	3.11	3.56	3.47
44. NATURAL GAS	5.18	4.66	5.06	5.39	5.42	5.18
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
47. TOTAL ($/MMBTU)	**4.04**	**3.88**	**3.77**	**3.99**	**4.27**	**4.16**
BTU BURNED PER KWH (BTU/KWH)						
48. HEAVY OIL	0	0	0	0	0	0
49. LIGHT OIL	8,062	7,332	8,307	12,166	0	392,957
50. COAL	10,714	10,937	10,289	10,380	10,498	10,625
51. NATURAL GAS	7,545	7,374	7,582	7,551	7,517	7,524
52. NUCLEAR	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	**9,267**	**8,810**	**9,335**	**9,085**	**9,126**	**9,110**
GENERATED FUEL COST PER KWH (CENTS/KWH)						
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	22.63	23.03	25.71	40.70	0.00	11.61
57. COAL	3.55	3.30	3.29	3.23	3.74	3.68
58. NATURAL GAS	3.90	3.44	3.83	4.07	4.08	3.90
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
61. TOTAL (CENTS/KWH)	**3.75**	**3.42**	**3.52**	**3.63**	**3.89**	**3.79**

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ESTIMATED FOR THE PERIOD: JULY 2013 THROUGH DECEMBER 2013

SCHEDULE E3

	Estimated						
	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	TOTAL
FUEL COST OF SYSTEM NET GENERATION ($)							
1. HEAVY OIL	0	0	0	0	0	0	0
2. LIGHT OIL	293,494	237,898	302,812	239,672	240,455	286,055	3,662,424
3. COAL	39,540,572	40,620,815	39,083,254	34,767,262	36,273,596	33,297,009	383,830,271
4. NATURAL GAS	30,586,675	32,132,261	29,824,894	28,669,527	16,264,495	20,570,353	314,247,742
5. NUCLEAR	0	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0	0
7. TOTAL ($)	**70,420,741**	**72,990,974**	**69,210,960**	**63,676,461**	**52,778,546**	**54,153,417**	**701,740,437**
SYSTEM NET GENERATION (MWH)							
8. HEAVY OIL	0	0	0	0	0	0	0
9. LIGHT OIL	410	320	430	320	340	340	10,553
10. COAL	1,141,730	1,148,730	1,097,680	977,130	1,020,880	946,660	10,940,725
11. NATURAL GAS	720,940	744,870	650,910	634,230	308,870	452,170	7,550,325
12. NUCLEAR	0	0	0	0	0	0	0
13. OTHER	0	0	0	0	0	0	0
14. TOTAL (MWH)	**1,863,080**	**1,893,920**	**1,749,020**	**1,611,680**	**1,330,090**	**1,399,170**	**18,501,603**
UNITS OF FUEL BURNED							
15. HEAVY OIL (BBL)	0	0	0	0	0	0	0
16. LIGHT OIL (BBL)	5,850	5,410	5,880	6,300	7,190	5,730	52,693
17. COAL (TON)	487,390	490,150	468,830	417,420	437,760	403,240	4,729,963
18. NATURAL GAS (MCF)	5,521,860	5,660,450	5,000,630	4,719,200	2,433,100	3,243,310	56,474,119
19. NUCLEAR (MMBTU)	0	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0	0
BTUS BURNED (MMBTU)							
21. HEAVY OIL	0	0	0	0	0	0	0
22. LIGHT OIL	15,760	12,620	15,950	12,620	12,700	14,570	167,608
23. COAL	11,655,800	11,720,380	11,213,180	9,983,470	10,485,180	9,684,360	113,314,456
24. NATURAL GAS	5,671,960	5,814,440	5,136,140	4,842,340	2,496,730	3,329,610	57,620,198
25. NUCLEAR	0	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0	0
27. TOTAL (MMBTU)	**17,343,520**	**17,547,440**	**16,365,270**	**14,838,430**	**12,994,610**	**13,028,540**	**171,102,262**
GENERATION MIX (% MWH)							
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.02	0.02	0.02	0.02	0.03	0.02	0.06
30. COAL	61.28	60.65	62.76	60.63	76.75	67.66	59.13
31. NATURAL GAS	38.70	39.33	37.22	39.35	23.22	32.32	40.81
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34. TOTAL (%)	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
FUEL COST PER UNIT							
35. HEAVY OIL ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL ($/BBL)	50.17	43.97	51.50	38.04	33.44	49.92	69.50
37. COAL ($/TON)	81.13	82.87	83.36	83.29	82.86	82.57	81.15
38. NATURAL GAS ($/MCF)	5.54	5.68	5.96	6.08	6.68	6.34	5.56
39. NUCLEAR ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST PER MMBTU ($/MMBTU)							
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	18.62	18.85	18.99	18.99	18.93	19.63	21.85
43. COAL	3.39	3.47	3.49	3.48	3.46	3.44	3.39
44. NATURAL GAS	5.39	5.53	5.81	5.92	6.51	6.18	5.45
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47. TOTAL ($/MMBTU)	**4.06**	**4.16**	**4.23**	**4.29**	**4.06**	**4.16**	**4.10**
BTU BURNED PER KWH (BTU/KWH)							
48. HEAVY OIL	0	0	0	0	0	0	0
49. LIGHT OIL	38,439	39,438	37,093	39,438	37,353	42,853	15,883
50. COAL	10,209	10,203	10,215	10,217	10,271	10,230	10,357
51. NATURAL GAS	7,867	7,806	7,891	7,635	8,083	7,364	7,631
52. NUCLEAR	0	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	**9,309**	**9,265**	**9,357**	**9,207**	**9,770**	**9,312**	**9,248**
GENERATED FUEL COST PER KWH (CENTS/KWH)							
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	71.58	74.34	70.42	74.90	70.72	84.13	34.71
57. COAL	3.46	3.54	3.56	3.56	3.55	3.52	3.51
58. NATURAL GAS	4.24	4.31	4.58	4.52	5.27	4.55	4.16
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61. TOTAL (CENTS/KWH)	**3.78**	**3.85**	**3.96**	**3.95**	**3.97**	**3.87**	**3.79**

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: January 2013

SCHEDULE A4
PAGE 1 OF 1
REVISED 7/19/13

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	395	45,745	15.6	16.4	94.6	10,648	COAL	20,314	23,978,000	487,097.5	1,589,631	3.47	78.25
B.B.#2	395	101,821	34.6	36.5	92.6	9,937	COAL	42,761	23,662,000	1,011,811.0	3,346,176	3.29	78.25
B.B.#3	365	220,461	81.2	84.0	81.2	10,806	COAL	98,754	24,124,000	2,382,342.7	7,727,796	3.51	78.25
B.B.#4	417	172,056	55.5	56.7	55.5	11,062	COAL	79,220	24,026,000	1,903,346.4	6,199,202	3.60	78.25
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	1,619	5,729,445	9,277.9	211,064	-	130.37
B.B. COAL	**1,572**	**540,083**	**46.2**	**47.8**	**73.0**	**10,711**	-	-	-	-	**19,073,869**	**3.53**	-
B.B.C.T.#4 (GAS)	61	547	1.2	92.5	69.1	14,016	GAS	7,546	1,016,000	7,667.0	37,683	6.89	4.99
B.B.C.T.#4 (OIL)	61	0	0.0	92.5	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B.C.T. #4 TOTAL	**61**	**547**	**1.2**	**92.4**	**69.1**	**14,016**	-	-	-	**7,667.0**	**37,683**	**6.89**	-
BIG BEND STATION TOTAL	**1,633**	**540,630**	**44.5**	**49.5**	**73.0**	**10,714**	-	-	-	**5,792,264.6**	**19,111,552**	**3.54**	-
POLK #1 GASIFIER	220	149,603	91.4	88.9	100.5	10,726	COAL	57,768	27,777,430	1,604,633.2	5,390,356	3.60	93.31
POLK #1 CT (OIL)	235	2,517	1.4	93.9	49.4	9,200	LGT.OIL	4,547	5,800,000	20,292.3	569,602	22.63	125.27
POLK #1 TOTAL	**220**	**152,120**	**92.9**	**93.9**	**99.0**	**10,701**	-	-	-	**1,624,925.5**	**5,959,958**	**3.92**	-
POLK #2 CT (GAS)	183	6,023	4.4	100.0	64.5	11,970	GAS	70,961	1,016,000	72,096.0	406,869	6.76	5.73
POLK #2 CT (OIL)	187	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**183**	**6,023**	**4.4**	**99.9**	**64.5**	**11,970**	-	-	-	**72,096.0**	**406,869**	**6.76**	-
POLK #3 CT (GAS)	183	3,510	2.6	100.0	67.5	12,087	GAS	41,757	1,016,000	42,425.0	240,094	6.84	5.75
POLK #3 CT (OIL)	187	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**183**	**3,510**	**2.6**	**100.0**	**67.5**	**12,087**	-	-	-	**42,425.0**	**240,094**	**6.84**	-
POLK #4 (GAS) [3]	**183**	**(188)**	**0.0**	**100.0**	**0.0**	**0**	GAS	**0**	**0**	**0.0**	**(666)**	**0.35**	**0.00**
POLK #5 (GAS)	**183**	**8,640**	**6.3**	**100.0**	**64.8**	**11,489**	GAS	**97,698**	**1,016,000**	**99,261.0**	**561,440**	**6.50**	**5.75**
POLK STATION TOTAL	**952**	**170,105**	**24.0**	**98.6**	**93.7**	**10,826**	-	-	-	**1,838,707.5**	**7,167,695**	**4.21**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**294**	**0.00**	**0.00**
BAYSIDE ST 1	243	98,297	54.4	100.0	71.7	-	-	-	-	-	-	-	-
BAYSIDE CT1A	183	61,579	45.2	99.7	74.5	11,400	GAS	691,033	1,016,000	702,090.0	3,598,112	5.84	5.21
BAYSIDE CT1B	183	56,641	41.6	99.9	75.5	11,232	GAS	626,383	1,016,000	636,405.0	3,261,489	5.76	5.21
BAYSIDE CT1C	183	66,784	49.1	100.0	71.4	10,942	GAS	719,479	1,016,000	730,991.0	3,746,227	5.61	5.21
BAYSIDE UNIT 1 TOTAL	**792**	**283,301**	**48.1**	**99.9**	**63.4**	**7,303**	**GAS**	**2,036,895**	**1,016,000**	**2,069,486.0**	**10,605,828**	**3.74**	**5.21**
BAYSIDE ST 2	315	92,829	39.6	100.0	60.8	-	-	-	-	-	-	-	-
BAYSIDE CT2A	183	52,252	38.4	100.0	76.1	11,121	GAS	572,155	1,016,000	581,309.0	3,015,019	5.77	5.27
BAYSIDE CT2B	183	60,253	44.3	89.5	75.3	11,340	GAS	672,653	1,016,000	683,416.0	3,544,602	5.88	5.27
BAYSIDE CT2C	183	0	0.0	0.0	0.0	0	GAS	0	1,016,000	0.0	0	0.00	0.00
BAYSIDE CT2D	183	63,233	46.4	100.0	69.2	11,452	GAS	712,880	1,016,000	724,286.0	3,756,582	5.94	5.27
BAYSIDE UNIT 2 TOTAL	**1,047**	**268,567**	**34.5**	**72.4**	**52.9**	**7,404**	**GAS**	**1,957,688**	**1,016,000**	**1,989,011.0**	**10,316,203**	**3.84**	**5.27**
BAYSIDE UNIT 3 TOTAL	**61**	**641**	**1.4**	**100.0**	**87.8**	**11,733**	**GAS**	**7,403**	**1,016,000**	**7,521.0**	**33,169**	**5.17**	**4.48**
BAYSIDE UNIT 4 TOTAL	**61**	**3,312**	**7.3**	**89.3**	**108.0**	**10,800**	**GAS**	**35,210**	**1,016,000**	**35,773.0**	**174,832**	**5.28**	**4.97**
BAYSIDE UNIT 5 TOTAL	**61**	**1,858**	**4.1**	**100.0**	**92.9**	**10,902**	**GAS**	**19,936**	**1,016,000**	**20,255.0**	**103,809**	**5.59**	**5.21**
BAYSIDE UNIT 6 TOTAL	**61**	**1,107**	**2.4**	**100.0**	**89.7**	**10,985**	**GAS**	**11,970**	**1,016,000**	**12,162.0**	**61,835**	**5.59**	**5.17**
BAYSIDE STATION TOTAL	**2,083**	**558,786**	**36.1**	**85.8**	**58.1**	**7,397**	**GAS**	**4,069,102**	**1,016,000**	**4,134,208.0**	**21,295,676**	**3.81**	**5.23**
SYSTEM	**4,668**	**1,269,521**	**36.6**	**75.7**	**67.4**	**9,269**	-	-	-	**11,765,180.1**	**47,575,217**	**3.75**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] Station Service

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: February 2013

SCHEDULE A4
PAGE 1 OF 1
REVISED 7/19/13

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	395	32,994	12.4	14.3	52.5	11,337	COAL	15,507	24,122,000	374,053.3	1,114,792	3.38	71.89
B.B.#2	395	119,862	45.2	50.3	70.0	11,138	COAL	55,603	24,010,000	1,335,039.1	3,997,278	3.33	71.89
B.B.#3	365	188,638	76.9	79.0	76.9	10,813	COAL	85,621	23,822,000	2,039,659.7	6,155,261	3.26	71.89
B.B.#4	417	60,827	21.7	22.4	55.7	10,830	COAL	27,818	23,680,000	658,730.0	1,999,826	3.29	71.89
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	5,214	5,730,885	29,882.3	681,321	-	130.67
B.B. COAL	**1,572**	**402,321**	**38.1**	**40.5**	**68.4**	**10,955**	-	-	-	-	**13,948,478**	**3.47**	-
B.B.C.T.#4 (GAS)	61	474	1.2	93.2	70.3	13,725	GAS	6,409	1,015,000	6,505.5	30,307	6.39	4.73
B.B.C.T.#4 (OIL)	61	0	0.0	93.2	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B.C.T. #4 TOTAL	**61**	**474**	**1.2**	**93.2**	**70.3**	**13,725**	-	-	-	**6,505.5**	**30,307**	**6.39**	-
BIG BEND STATION TOTAL	**1,633**	**402,795**	**36.7**	**42.5**	**68.4**	**10,958**	-	-	-	**4,413,987.6**	**13,978,785**	**3.47**	-
POLK #1 GASIFIER	220	90,432	61.2	80.5	97.7	10,857	COAL	35,694	27,507,304	981,845.4	2,287,799	2.53	64.09
POLK #1 CT (OIL)	235	2,448	1.6	85.7	45.3	9,030	LGT.OIL	4,479	5,800,000	17,949.4	563,813	23.03	125.88
POLK #1 TOTAL	**220**	**92,880**	**62.8**	**85.7**	**95.2**	**10,809**	-	-	-	**999,794.8**	**2,851,612**	**3.07**	-
POLK #2 CT (GAS)	183	2,608	2.1	95.0	26.5	12,271	GAS	31,530	1,015,000	32,003.0	173,707	6.66	5.51
POLK #2 CT (OIL)	187	0	0.0	95.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**183**	**2,608**	**2.1**	**95.0**	**26.5**	**12,271**	-	-	-	**32,003.0**	**173,707**	**6.66**	-
POLK #3 CT (GAS)	183	1,509	1.2	96.2	63.2	13,668	GAS	20,320	1,015,000	20,625.0	111,948	7.42	5.51
POLK #3 CT (OIL)	187	0	0.0	96.2	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**183**	**1,509**	**1.2**	**96.2**	**63.2**	**13,668**	-	-	-	**20,625.0**	**111,948**	**7.42**	-
POLK #4 (GAS) [3]	**183**	**(33)**	**0.0**	**93.8**	**0.0**	**0**	GAS	**1,421**	**1,015,000**	**1,442.0**	**7,826**	**(23.72)**	**5.51**
POLK #5 (GAS)	**183**	**4,471**	**3.6**	**95.3**	**69.0**	**10,646**	GAS	**46,895**	**1,015,000**	**47,598.0**	**258,353**	**5.78**	**5.51**
POLK STATION TOTAL	**952**	**101,435**	**15.9**	**92.9**	**87.1**	**10,900**	-	-	-	**1,101,462.8**	**3,403,446**	**3.36**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**294**	**0.00**	**0.00**
BAYSIDE ST 1	243	123,935	75.9	100.0	75.9	-		-	-	-	-	-	-
BAYSIDE CT1A	183	66,450	54.0	100.0	78.7	11,134	GAS	728,827	1,015,000	739,759.0	3,437,239	5.17	4.72
BAYSIDE CT1B	183	92,064	74.9	100.0	78.7	11,011	GAS	998,552	1,015,000	1,013,530.0	4,709,295	5.12	4.72
BAYSIDE CT1C	183	79,192	64.4	100.0	78.3	10,732	GAS	837,157	1,015,000	849,714.0	3,948,136	4.99	4.72
BAYSIDE UNIT 1 TOTAL	**792**	**361,641**	**67.9**	**100.0**	**67.9**	**7,199**	**GAS**	**2,564,536**	**1,015,000**	**2,603,003.0**	**12,094,670**	**3.34**	**4.72**
BAYSIDE ST 2	315	120,091	56.7	100.0	56.7	-		-	-	-	-	-	-
BAYSIDE CT2A	183	61,843	50.3	100.0	78.2	11,087	GAS	675,321	1,015,000	685,451.0	3,184,879	5.15	4.72
BAYSIDE CT2B	183	94,557	76.9	99.9	77.8	11,273	GAS	1,050,055	1,015,000	1,065,806.0	4,952,161	5.24	4.72
BAYSIDE CT2C	183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE CT2D	183	74,861	60.9	100.0	75.8	11,257	GAS	830,121	1,015,000	842,573.0	3,914,931	5.23	4.72
BAYSIDE UNIT 2 TOTAL	**1,047**	**351,352**	**49.9**	**75.0**	**49.9**	**7,384**	**GAS**	**2,555,497**	**1,015,000**	**2,593,830.0**	**12,051,971**	**3.43**	**4.72**
BAYSIDE UNIT 3 TOTAL	**61**	**961**	**2.3**	**87.4**	**91.2**	**11,216**	**GAS**	**10,620**	**1,015,000**	**10,779.0**	**50,084**	**5.21**	**4.72**
BAYSIDE UNIT 4 TOTAL	**61**	**2,905**	**7.1**	**100.0**	**94.3**	**10,930**	**GAS**	**31,278**	**1,015,000**	**31,747.0**	**147,525**	**5.08**	**4.72**
BAYSIDE UNIT 5 TOTAL	**61**	**667**	**1.6**	**99.7**	**40.9**	**11,640**	**GAS**	**7,649**	**1,015,000**	**7,764.0**	**36,095**	**5.41**	**4.72**
BAYSIDE UNIT 6 TOTAL	**61**	**666**	**1.6**	**62.2**	**89.6**	**11,281**	**GAS**	**7,400**	**1,015,000**	**7,511.0**	**34,907**	**5.24**	**4.72**
BAYSIDE STATION TOTAL [4]	**2,083**	**718,192**	**51.3**	**85.9**	**57.8**	**7,318**	**GAS**	**5,176,980**	**1,015,000**	**5,254,634.0**	**24,415,252**	**3.40**	**4.72**
SYSTEM	**4,668**	**1,222,422**	**39.0**	**72.2**	**62.8**	**8,815**	-	-	-	**10,770,084.4**	**41,797,777**	**3.42**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] Station Service
[4] Includes adjustment to Bayside consumption of (1,080) bbls and fuel cost of ($91) and mmbtu's of (1,098) for January 2013.

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

Docket No. 130001-EI
Exhibit No. ____ (PAR-2)
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SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: March 2013

SCHEDULE A4
PAGE 1 OF 1
REVISED 7/19/13

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	395	218,329	74.4	78.8	83.3	10,523	COAL	96,132	23,898,000	2,297,373.1	7,339,321	3.36	76.35
B.B.#2	395	271,581	92.5	96.8	92.5	10,173	COAL	117,562	23,500,000	2,762,711.0	8,975,422	3.30	76.35
B.B.#3	365	4,505	1.7	2.1	58.5	11,207	COAL	2,206	22,886,000	50,486.5	168,420	3.74	76.35
B.B.#4	417	269,732	87.1	92.4	89.6	10,167	COAL	119,239	23,000,000	2,742,469.6	9,103,455	3.38	76.35
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	2,559	5,732,755	14,669.4	335,801	-	131.22
B.B. COAL	**1,572**	**764,147**	**65.4**	**69.1**	**88.4**	**10,277**	-	-	-	-	**25,922,419**	**3.39**	-
B.B.C.T.#4 (GAS)	61	8	0.0	96.2	7.3	145,125	GAS	1,144	1,015,000	1,161.0	6,167	77.09	5.39
B.B.C.T.#4 (OIL)	61	0	0.0	96.2	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B.C.T. #4 TOTAL	**61**	**8**	**0.0**	**96.2**	**7.3**	**145,125**	-	-	-	**1,161.0**	**6,167**	**77.09**	-
BIG BEND STATION TOTAL	**1,633**	**764,155**	**63.0**	**70.1**	**88.4**	**10,278**	-	-	-	**7,854,201.2**	**25,928,586**	**3.39**	-
POLK #1 GASIFIER	220	150,324	92.0	98.2	99.0	10,352	COAL	56,667	27,461,437	1,556,161.1	4,122,946	2.74	72.76
POLK #1 CT (OIL) [4]	235	2,888	1.7	98.7	44.4	10,983	LGT.OIL	5,852	5,800,000	23,989.9	742,615	25.71	126.90
POLK #1 TOTAL	**220**	**153,212**	**93.7**	**98.7**	**97.0**	**10,364**	-	-	-	**1,580,151.0**	**4,865,561**	**3.18**	-
POLK #2 CT (GAS) [3]	183	(258)	0.0	100.0	0.0	0	GAS	0	0	0.0	1	(0.00)	0.00
POLK #2 CT (OIL)	187	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**183**	**(258)**	**0.0**	**100.0**	**0.0**	**0**	-	-	-	**0.0**	**1**	**(0.00)**	-
POLK #3 CT (GAS)	183	1,416	1.0	100.0	65.6	12,664	GAS	17,667	1,015,000	17,932.0	97,425	6.88	5.51
POLK #3 CT (OIL)	187	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**183**	**1,416**	**1.0**	**100.0**	**65.6**	**12,664**	-	-	-	**17,932.0**	**97,425**	**6.88**	-
POLK #4 (GAS)	**183**	**118**	**0.1**	**98.0**	**24.5**	**25,186**	GAS	**2,928**	**1,015,000**	**2,972.0**	**16,147**	**13.68**	**5.51**
POLK #5 (GAS)	**183**	**2,172**	**1.6**	**100.0**	**52.8**	**12,564**	GAS	**26,887**	**1,015,000**	**27,290.0**	**148,267**	**6.83**	**5.51**
POLK STATION TOTAL	**952**	**156,660**	**22.1**	**99.3**	**95.1**	**10,443**	-	-	-	**1,628,345.0**	**5,127,401**	**3.27**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**294**	**0.00**	**0.00**
BAYSIDE ST 1	243	65,526	36.3	76.9	47.2	-		-	-	-	-	-	-
BAYSIDE CT1A	183	35,188	25.9	69.9	75.5	11,330	GAS	392,777	1,015,000	398,669.0	2,013,728	5.72	5.13
BAYSIDE CT1B	183	49,439	36.4	74.4	71.5	11,405	GAS	555,483	1,015,000	563,815.0	2,847,905	5.76	5.13
BAYSIDE CT1C	183	39,923	29.4	75.1	70.6	11,264	GAS	443,035	1,015,000	449,680.0	2,271,395	5.69	5.13
BAYSIDE UNIT 1 TOTAL [4]	**792**	**190,076**	**32.3**	**72.7**	**42.0**	**7,430**	**GAS**	**1,391,295**	**1,015,000**	**1,412,164.0**	**7,133,028**	**3.75**	**5.13**
BAYSIDE ST 2	315	102,381	43.7	99.8	43.8	-		-	-	-	-	-	-
BAYSIDE CT2A	183	41,595	30.6	90.8	75.9	11,257	GAS	461,295	1,015,000	468,214.0	2,364,970	5.69	5.13
BAYSIDE CT2B	183	93,257	68.6	99.8	73.1	11,588	GAS	1,064,707	1,015,000	1,080,677.0	5,458,546	5.85	5.13
BAYSIDE CT2C	183	0	0.0	0.0	0.0	0	GAS	0	1,015,000	0.0	0	0.00	0.00
BAYSIDE CT2D	183	61,552	45.3	96.0	74.0	11,510	GAS	697,980	1,015,000	708,450.0	3,578,409	5.81	5.13
BAYSIDE UNIT 2 TOTAL [4]	**1,047**	**298,785**	**38.4**	**71.6**	**38.5**	**7,555**	**GAS**	**2,223,982**	**1,015,000**	**2,257,341.0**	**11,401,925**	**3.82**	**5.13**
BAYSIDE UNIT 3 TOTAL	**61**	**24**	**0.1**	**100.0**	**35.2**	**27,167**	**GAS**	**642**	**1,015,000**	**652.0**	**3,294**	**13.73**	**5.13**
BAYSIDE UNIT 4 TOTAL	**61**	**2,665**	**5.9**	**100.0**	**61.9**	**10,984**	**GAS**	**28,840**	**1,015,000**	**29,273.0**	**147,859**	**5.55**	**5.13**
BAYSIDE UNIT 5 TOTAL	**61**	**1,073**	**2.4**	**99.3**	**90.8**	**11,363**	**GAS**	**12,013**	**1,015,000**	**12,193.0**	**61,587**	**5.74**	**5.13**
BAYSIDE UNIT 6 TOTAL	**61**	**54**	**0.1**	**100.0**	**65.6**	**14,444**	**GAS**	**768**	**1,015,000**	**780.0**	**3,941**	**7.30**	**5.13**
BAYSIDE STATION TOTAL	**2,083**	**492,677**	**31.8**	**75.3**	**39.9**	**7,535**	**GAS**	**3,657,540**	**1,015,000**	**3,712,403.0**	**18,751,634**	**3.81**	**5.13**
SYSTEM	**4,668**	**1,413,492**	**40.8**	**78.4**	**62.4**	**9,341**	-	-	-	**13,194,949.2**	**49,807,915**	**3.52**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] Station Service
[4] Includes consumption & fuel cost adjustments to Bayside 1 & 2 of (129) mcf and ($9) and to Polk #1 CT of 138 bbls and $17,397 for February 2013.

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: April 2013

SCHEDULE A4
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REVISED 7/19/13

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	385	237,862	85.8	87.3	94.8	10,378	COAL	103,094	23,944,000	2,468,477.7	7,753,722	3.26	75.21
B.B.#2	385	202,976	73.2	76.3	91.3	10,118	COAL	87,927	23,356,000	2,053,634.5	6,613,008	3.26	75.21
B.B.#3	365	0	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
B.B.#4	407	288,798	98.6	99.5	98.6	10,376	COAL	129,717	23,100,000	2,996,459.2	9,756,043	3.38	75.21
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	1,861	5,733,357	10,667.3	244,229	-	131.24
B.B. COAL	**1,542**	**729,636**	**65.7**	**67.1**	**95.2**	**10,305**	-	-	-	-	**24,367,002**	**3.34**	-
B.B.C.T.#4 (GAS)	56	1,085	2.7	59.2	87.1	13,854	GAS	14,811	1,015,000	15,033.0	80,468	7.42	5.43
B.B.C.T.#4 (OIL)	56	72	0.2	59.2	87.2	6,998	LGT.OIL	88	5,733,355	503.1	11,519	16.00	130.90
B.B.C.T. #4 TOTAL	**56**	**1,157**	**2.9**	**59.2**	**87.1**	**13,428**	-	-	-	**15,536.1**	**91,987**	**7.95**	-
BIG BEND STATION TOTAL	**1,598**	**730,793**	**63.5**	**66.8**	**95.2**	**10,309**	-	-	-	**7,534,107.5**	**24,458,989**	**3.35**	-
POLK #1 GASIFIER	220	33,645	21.2	41.1	84.3	12,022	COAL	14,680	27,553,457	404,489.4	284,019	0.84	19.35
POLK #1 CT (OIL)	218	428	0.3	43.3	56.7	13,289	LGT.OIL	1,506	5,753,800	5,579.8	191,995	44.86	127.49
POLK #1 TOTAL	**220**	**34,073**	**21.5**	**43.3**	**83.7**	**12,038**	-	-	-	**410,069.2**	**476,014**	**1.40**	-
POLK #2 CT (GAS)	151	5,372	4.9	83.9	78.3	12,353	GAS	65,380	1,015,000	66,361.0	324,124	6.03	4.96
POLK #2 CT (OIL)	159	0	0.0	83.9	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**151**	**5,372**	**4.9**	**83.9**	**78.3**	**12,353**	-	-	-	**66,361.0**	**324,124**	**6.03**	-
POLK #3 CT (GAS)	151	2,680	2.5	84.1	9.9	11,298	GAS	29,831	1,015,000	30,278.0	147,648	5.51	4.95
POLK #3 CT (OIL)	159	0	0.0	84.1	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**151**	**2,680**	**2.5**	**84.1**	**9.9**	**11,298**	-	-	-	**30,278.0**	**147,648**	**5.51**	-
POLK #4 (GAS)	**151**	**3,308**	**3.0**	**98.6**	**73.9**	**12,408**	GAS	**40,439**	**1,015,000**	**41,046.0**	**201,214**	**6.08**	**4.98**
POLK #5 (GAS)	**151**	**5,465**	**5.0**	**98.6**	**78.1**	**11,891**	GAS	**64,024**	**1,015,000**	**64,984.0**	**316,755**	**5.80**	**4.95**
POLK STATION TOTAL	**824**	**50,898**	**8.6**	**78.5**	**59.2**	**12,041**	-	-	-	**612,738.2**	**1,465,755**	**2.88**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**294**	**0.00**	**0.00**
BAYSIDE ST 1	233	115,961	69.1	100.0	69.1	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	63,797	56.8	100.0	86.9	11,418	GAS	717,690	1,015,000	728,455.0	3,941,081	6.18	5.49
BAYSIDE CT1B	156	68,010	60.5	99.9	86.5	11,328	GAS	759,021	1,015,000	770,407.0	4,168,043	6.13	5.49
BAYSIDE CT1C	156	83,603	74.4	100.0	86.2	11,049	GAS	910,088	1,015,000	923,739.0	4,997,605	5.98	5.49
BAYSIDE UNIT 1 TOTAL	**701**	**331,371**	**65.7**	**100.0**	**65.7**	**7,311**	**GAS**	**2,386,799**	**1,015,000**	**2,422,601.0**	**13,106,729**	**3.96**	**5.49**
BAYSIDE ST 2	305	99,808	45.4	74.7	60.9	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	32,259	28.7	53.1	88.5	11,207	GAS	356,188	1,015,000	361,531.0	1,954,279	6.06	5.49
BAYSIDE CT2B	156	52,375	46.6	76.4	88.6	11,404	GAS	588,449	1,015,000	597,276.0	3,228,615	6.16	5.49
BAYSIDE CT2C	156	61,292	54.6	76.4	88.9	11,355	GAS	685,665	1,015,000	695,950.0	3,762,005	6.14	5.49
BAYSIDE CT2D	156	45,313	40.3	86.2	87.1	11,478	GAS	512,398	1,015,000	520,084.0	2,811,350	6.20	5.49
BAYSIDE UNIT 2 TOTAL	**929**	**291,047**	**43.5**	**62.9**	**58.3**	**7,472**	**GAS**	**2,142,700**	**1,015,000**	**2,174,841.0**	**11,756,249**	**4.04**	**5.49**
BAYSIDE UNIT 3 TOTAL	**56**	**672**	**1.7**	**83.3**	**32.7**	**11,563**	**GAS**	**7,655**	**1,015,000**	**7,770.0**	**41,943**	**6.24**	**5.48**
BAYSIDE UNIT 4 TOTAL	**56**	**2,037**	**5.1**	**86.8**	**95.1**	**11,161**	**GAS**	**22,398**	**1,015,000**	**22,734.0**	**122,675**	**6.02**	**5.48**
BAYSIDE UNIT 5 TOTAL	**56**	**1,157**	**2.9**	**81.2**	**94.3**	**11,595**	**GAS**	**13,217**	**1,015,000**	**13,415.0**	**72,804**	**6.29**	**5.51**
BAYSIDE UNIT 6 TOTAL	**56**	**1,306**	**3.2**	**75.2**	**92.5**	**11,359**	**GAS**	**14,616**	**1,015,000**	**14,835.0**	**80,579**	**6.17**	**5.51**
BAYSIDE STATION TOTAL	**1,854**	**627,590**	**47.0**	**79.2**	**62.1**	**7,419**	**GAS**	**4,587,385**	**1,015,000**	**4,656,196.0**	**25,180,979**	**4.01**	**5.49**
SYSTEM	**4,276**	**1,409,281**	**45.8**	**74.4**	**75.6**	**9,085**	-	-	-	**12,803,041.7**	**51,106,017**	**3.63**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: May 2013

SCHEDULE A4
PAGE 1 OF 1
REVISED 7/19/13

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	385	240,612	84.0	88.0	94.8	10,581	COAL	105,187	24,204,000	2,545,937.0	8,440,632	3.51	80.24
B.B.#2	385	278,394	97.2	98.6	97.2	10,284	COAL	118,409	24,178,000	2,862,904.4	9,501,619	3.41	80.24
B.B.#3	365	86,122	31.7	32.8	92.7	10,189	COAL	37,488	23,408,000	877,509.3	3,008,189	3.49	80.24
B.B.#4	407	253,441	83.7	85.0	92.7	10,577	COAL	113,549	23,608,000	2,680,662.0	9,111,632	3.60	80.24
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	4,997	5,737,193	14,440,672.3	655,414	-	131.16
B.B. COAL	**1,542**	**858,569**	**74.8**	**76.8**	**94.7**	**10,444**	-	-	-	-	**30,717,486**	**3.58**	-
B.B.C.T.#4 (GAS)	56	320	0.8	100.0	73.9	17,163	GAS	5,411	1,015,000	5,492.3	29,836	9.32	5.51
B.B.C.T.#4 (OIL)	56	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B.C.T. #4 TOTAL	**56**	**320**	**0.8**	**100.0**	**73.9**	**17,163**	-	-	-	**5,492.3**	**29,836**	**9.32**	-
BIG BEND STATION TOTAL	**1,598**	**858,889**	**72.2**	**77.6**	**94.7**	**10,447**	-	-	-	**8,972,505.0**	**30,747,322**	**3.58**	-
POLK #1 GASIFIER	220	(4,425)	0.0	0.0	0.0	0	COAL	0	0	0.0	1,209,079	(27.32)	0.00
POLK #1 CT (GAS)	218	(184)	0.0	0.0	0.0	0	GAS	6,014	0	0.0	33,843	(18.39)	5.63
POLK #1 CT (OIL) [3]	-	-	-	-	-	-	LGT.OIL	(174)	-	(643.7)	(22,150)	-	127.30
POLK #1 TOTAL	**220**	**(4,609)**	**0.0**	**0.0**	**0.0**	**0**	-	-	-	**(643.7)**	**1,220,772**	**(26.49)**	-
POLK #2 CT (GAS)	151	3,286	2.9	53.8	81.8	12,238	GAS	39,619	1,015,000	40,213.0	220,627	6.71	5.57
POLK #2 CT (OIL)	159	0	0.0	53.8	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**151**	**3,286**	**2.9**	**53.8**	**81.8**	**12,238**	-	-	-	**40,213.0**	**220,627**	**6.71**	-
POLK #3 CT (GAS)	151	3,233	2.9	59.9	81.6	12,015	GAS	38,270	1,015,000	38,844.0	214,212	6.63	5.60
POLK #3 CT (OIL)	159	0	0.0	59.9	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**151**	**3,233**	**2.9**	**59.9**	**81.6**	**12,015**	-	-	-	**38,844.0**	**214,212**	**6.63**	-
POLK #4 (GAS)	**151**	**1,671**	**1.5**	**100.0**	**70.1**	**12,941**	GAS	**21,304**	**1,015,000**	**21,624.0**	**118,346**	**7.08**	**5.56**
POLK #5 (GAS)	**151**	**5,095**	**4.5**	**98.9**	**74.1**	**11,960**	GAS	**60,035**	**1,015,000**	**60,936.0**	**335,459**	**6.58**	**5.59**
POLK STATION TOTAL	**824**	**8,676**	**1.4**	**57.3**	**50.3**	**18,628**	-	-	-	**160,973.3**	**2,109,416**	**24.31**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	147	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**294**	**0.00**	**0.00**
BAYSIDE ST 1	233	108,361	62.5	100.0	62.5	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	71,739	61.8	100.0	87.1	11,351	GAS	802,283	1,015,000	814,317.0	4,404,894	6.14	5.49
BAYSIDE CT1B	156	67,920	58.5	99.4	87.6	11,223	GAS	751,023	1,015,000	762,288.0	4,123,454	6.07	5.49
BAYSIDE CT1C	156	64,450	55.5	99.4	83.2	10,955	GAS	695,592	1,015,000	706,026.0	3,819,113	5.93	5.49
BAYSIDE UNIT 1 TOTAL	**701**	**312,470**	**59.9**	**99.6**	**59.9**	**7,305**	**GAS**	**2,248,898**	**1,015,000**	**2,282,631.0**	**12,347,461**	**3.95**	**5.49**
BAYSIDE ST 2	305	135,364	59.7	98.8	60.4	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	57,919	49.9	97.0	90.3	11,110	GAS	633,997	1,015,000	643,506.0	3,487,849	6.02	5.50
BAYSIDE CT2B	156	54,295	46.8	100.0	90.1	11,315	GAS	605,248	1,015,000	614,327.0	3,329,690	6.13	5.50
BAYSIDE CT2C	156	95,588	82.4	100.0	86.5	11,447	GAS	1,078,011	1,015,000	1,094,181.0	5,930,533	6.20	5.50
BAYSIDE CT2D	156	52,948	45.6	100.0	89.0	11,372	GAS	593,204	1,015,000	602,102.0	3,263,432	6.16	5.50
BAYSIDE UNIT 2 TOTAL	**929**	**396,114**	**57.3**	**98.0**	**58.0**	**7,458**	**GAS**	**2,910,460**	**1,015,000**	**2,954,116.0**	**16,011,504**	**4.04**	**5.50**
BAYSIDE UNIT 3 TOTAL	**56**	**770**	**1.8**	**100.0**	**93.0**	**11,587**	**GAS**	**8,790**	**1,015,000**	**8,922.0**	**48,352**	**6.28**	**5.50**
BAYSIDE UNIT 4 TOTAL	**56**	**2,104**	**5.0**	**100.0**	**97.4**	**11,181**	**GAS**	**23,176**	**1,015,000**	**23,524.0**	**127,272**	**6.05**	**5.49**
BAYSIDE UNIT 5 TOTAL	**56**	**2,249**	**5.4**	**100.0**	**99.8**	**11,399**	**GAS**	**25,258**	**1,015,000**	**25,637.0**	**139,206**	**6.19**	**5.51**
BAYSIDE UNIT 6 TOTAL	**56**	**1,102**	**2.6**	**100.0**	**99.6**	**11,220**	**GAS**	**12,181**	**1,015,000**	**12,364.0**	**66,859**	**6.07**	**5.49**
BAYSIDE STATION TOTAL	**1,854**	**714,809**	**51.8**	**98.9**	**59.0**	**7,425**	**GAS**	**5,228,763**	**1,015,000**	**5,307,194.0**	**28,740,654**	**4.02**	**5.50**
SYSTEM	**4,276**	**1,582,374**	**49.7**	**82.9**	**74.1**	**9,126**	-	-	-	**14,440,672.3**	**61,597,686**	**3.89**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] Polk CT1 oil converted to natural gas, negative amounts shown are due to prior period adjustments. Includes April adjustment of (174) bbls and ($22,150).

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: June 2013

SCHEDULE A4
PAGE 1 OF 1

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
B.B.#1	385	212,558	76.7	80.1	91.8	10,560	COAL	95,303	23,552,000	2,244,579.8	7,501,466	3.53	78.71
B.B.#2	385	259,235	93.5	96.5	93.5	10,263	COAL	112,819	23,582,000	2,660,490.1	8,880,181	3.43	78.71
B.B.#3	365	232,486	88.5	87.8	98.8	10,231	COAL	104,297	22,806,000	2,378,606.5	8,209,399	3.53	78.71
B.B.#4	407	155,428	53.0	55.1	93.3	10,534	COAL	71,120	23,022,000	1,637,321.4	5,597,979	3.60	78.71
B.B. IGNITION	-	-	-	-	-	-	LGT.OIL	5,214	5,738,010	29,918.0	683,246	-	131.04
B.B. COAL	**1,542**	**859,707**	**77.4**	**79.4**	**94.4**	**10,377**	-	-	-	-	**30,872,271**	**3.59**	-
B.B.C.T.#4 (GAS)	56	3,893	9.7	86.6	88.5	11,348	GAS	43,518	1,015,000	44,170.3	224,398	5.76	5.16
B.B.C.T.#4 (OIL)	56	40	0.1	86.6	42.0	5,147	LGT.OIL	35	5,737,985	203.3	4,644	11.61	132.69
B.B.C.T. #4 TOTAL	**56**	**3,933**	**9.8**	**86.6**	**87.5**	**11,282**	-	-	-	**44,373.6**	**229,042**	**5.82**	-
BIG BEND STATION TOTAL	**1,598**	**863,640**	**75.1**	**79.6**	**94.4**	**10,381**	-	-	-	**8,965,371.4**	**31,101,313**	**3.60**	-
POLK #1 GASIFIER	220	33,873	21.4	52.9	56.0	16,924	COAL	20,717	27,670,425	573,254.6	2,052,039	6.06	99.05
POLK #1 CT (GAS)	218	25,605	16.3	55.1	96.5	7,265	GAS	196,294	1,015,000	186,033.0	966,853	3.78	4.93
POLK #1 CT (OIL)	-	-	-	-	-	-	LGT.OIL	0	-	0.0	0	-	0.00
POLK #1 TOTAL	**220**	**59,478**	**37.5**	**55.1**	**68.1**	**12,766**	-	-	-	**759,287.6**	**3,018,892**	**5.08**	-
POLK #2 CT (GAS)	151	3,560	3.3	100.0	77.6	12,248	GAS	42,958	1,015,000	43,602.0	211,590	5.94	4.93
POLK #2 CT (OIL)	159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	15,515.1	0	0.00	0.00
POLK #2 TOTAL	**151**	**3,560**	**3.3**	**100.0**	**77.6**	**12,248**	-	-	-	**59,117.1**	**211,590**	**5.94**	-
POLK #3 CT (GAS)	151	12,434	11.4	99.4	76.9	11,580	GAS	141,857	1,015,000	143,985.0	698,724	5.62	4.93
POLK #3 CT (OIL)	159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**151**	**12,434**	**11.4**	**99.4**	**76.9**	**11,580**	-	-	-	**143,985.0**	**698,724**	**5.62**	-
POLK #4 (GAS)	**151**	**5,049**	**4.6**	**100.0**	**77.9**	**11,826**	GAS	**58,827**	**1,015,000**	**59,709.0**	**289,753**	**5.74**	**4.93**
POLK #5 (GAS)	**151**	**8,144**	**7.5**	**100.0**	**77.7**	**11,732**	GAS	**94,135**	**1,015,000**	**95,547.0**	**463,666**	**5.69**	**4.93**
POLK STATION TOTAL	**824**	**88,665**	**14.9**	**87.9**	**70.9**	**12,430**	-	-	-	**1,117,645.7**	**4,682,625**	**5.28**	-
COT 1	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	149	0.00	0.00
COT 2	0	0	0.0	0.0	0.0	0	GAS	0	0	0.0	149	0.00	0.00
CITY OF TAMPA TOTAL	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**298**	**0.00**	**0.00**
BAYSIDE ST 1	233	116,673	69.5	100.0	69.5	-	-	-	-	-	-	-	-
BAYSIDE CT1A	156	85,111	75.8	100.0	86.4	11,343	GAS	951,117	1,015,000	965,384.0	5,022,837	5.90	5.28
BAYSIDE CT1B	156	69,758	62.1	100.0	88.3	11,182	GAS	768,491	1,015,000	780,018.0	4,058,391	5.82	5.28
BAYSIDE CT1C	156	65,055	57.9	97.3	88.6	10,855	GAS	695,731	1,015,000	706,167.0	3,674,148	5.65	5.28
BAYSIDE UNIT 1 TOTAL	**701**	**336,597**	**66.7**	**99.1**	**66.7**	**7,283**	**GAS**	**2,415,339**	**1,015,000**	**2,451,569.0**	**12,755,376**	**3.79**	**5.28**
BAYSIDE ST 2	305	161,094	73.4	99.7	73.5	-	-	-	-	-	-	-	-
BAYSIDE CT2A	156	74,397	66.2	100.0	89.6	11,125	GAS	815,435	1,015,000	827,667.0	4,306,303	5.79	5.28
BAYSIDE CT2B	156	70,062	62.4	100.0	89.5	11,310	GAS	780,698	1,015,000	792,409.0	4,122,858	5.88	5.28
BAYSIDE CT2C	156	94,939	84.5	100.0	87.5	11,383	GAS	1,064,724	1,015,000	1,080,695.0	5,622,796	5.92	5.28
BAYSIDE CT2D	156	63,781	56.8	99.5	88.9	11,372	GAS	714,613	1,015,000	725,332.0	3,773,863	5.92	5.28
BAYSIDE UNIT 2 TOTAL	**929**	**464,273**	**69.4**	**99.7**	**69.6**	**7,380**	**GAS**	**3,375,470**	**1,015,000**	**3,426,103.0**	**17,825,820**	**3.84**	**5.28**
BAYSIDE UNIT 3 TOTAL	**56**	**725**	**1.8**	**100.0**	**89.7**	**11,691**	**GAS**	**8,351**	**1,015,000**	**8,476.0**	**44,100**	**6.08**	**5.28**
BAYSIDE UNIT 4 TOTAL	**56**	**1,095**	**2.7**	**100.0**	**90.2**	**11,288**	**GAS**	**12,177**	**1,015,000**	**12,360.0**	**64,308**	**5.87**	**5.28**
BAYSIDE UNIT 5 TOTAL	**56**	**1,560**	**3.9**	**100.0**	**93.5**	**11,373**	**GAS**	**17,480**	**1,015,000**	**17,742.0**	**92,311**	**5.92**	**5.28**
BAYSIDE UNIT 6 TOTAL	**56**	**998**	**2.5**	**100.0**	**88.7**	**11,281**	**GAS**	**11,092**	**1,015,000**	**11,258.0**	**58,575**	**5.87**	**5.28**
BAYSIDE STATION TOTAL	**1,854**	**805,248**	**60.3**	**99.5**	**68.4**	**7,361**	**GAS**	**5,839,909**	**1,015,000**	**5,927,508.0**	**30,840,490**	**3.83**	**5.28**
SYSTEM	**4,276**	**1,757,553**	**57.1**	**89.8**	**79.3**	**9,101**	-	-	-	**16,010,525.1**	**66,624,726**	**3.79**	-

Footnotes:
[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE
COT = CITY OF TAMPA

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: JULY 2013

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. B.B.#1	385	244,170	85.2	85.1	94.9	10,104	COAL	105,290	23,430,430	2,466,990.0	8,244,713	3.38	78.30
2. B.B.#2	385	249,560	87.1	87.9	96.0	10,196	COAL	108,640	23,420,839	2,544,440.0	8,507,035	3.41	78.30
3. B.B.#3	365	233,570	86.0	88.0	95.5	10,453	COAL	104,210	23,429,325	2,441,570.0	8,160,145	3.49	78.30
4. B.B.#4	407	258,590	85.4	86.2	96.0	10,146	COAL	111,980	23,429,005	2,623,580.0	8,768,570	3.39	78.30
B.B. IGNITION	-	-	-	-	-	-	LGT OIL	3,560	-	0.0	468,612	-	131.63
5. B.B. COAL	**1,542**	**985,890**	**85.9**	**86.8**	**95.6**	**10,221**	-	-	-	-	**34,149,075**	**3.46**	-
6. B.B.C.T.#4 OIL	56	10	0.0	-	3.6	300,000	LGT OIL	90	33,333,333	3,000.0	11,847	118.47	131.63
7. B.B.C.T.#4 GAS	56	2,330	5.6	-	99.1	10,966	GAS	24,850	1,028,169	25,550.0	137,649	5.91	5.54
8. B.B.C.T.#4 TOTAL	**56**	**2,340**	**5.6**	**99.4**	**88.9**	**12,201**	-	-	-	**28,550.0**	**149,496**	**6.39**	-
9. BIG BEND STATION TOTAL	**1,598**	**988,230**	**83.1**	**87.2**	**95.6**	**10,225**	-	-	-	**10,105,130.0**	**34,298,571**	**3.47**	-
10. POLK #1 GASIFIER	220	155,840	95.2	-	98.8	10,134	COAL	57,270	27,574,996	1,579,220.0	5,391,497	3.46	94.14
11. POLK #1 CT GAS	218	3,390	2.1	-	97.2	7,481	GAS	29,050	872,978	25,360.0	160,914	4.75	5.54
12. POLK #1 TOTAL	**220**	**159,230**	**97.3**	**92.4**	**98.8**	**10,077**	-	-	-	**1,604,580.0**	**5,552,411**	**3.49**	-
13. POLK #2 CT GAS	151	24,410	21.7	-	94.0	11,232	GAS	266,710	1,028,008	274,180.0	1,477,358	6.05	5.54
14. POLK #2 CT OIL	159	200	0.2	-	25.2	31,900	LGT OIL	1,100	5,800,000	6,380.0	140,824	70.41	128.02
15. POLK #2 TOTAL	**159**	**24,610**	**20.8**	**98.2**	**91.9**	**11,400**	-	-	-	**280,560.0**	**1,618,182**	**6.58**	-
16. POLK #3 CT GAS	151	20,850	18.6	-	95.2	11,239	GAS	227,960	1,027,987	234,340.0	1,262,716	6.06	5.54
17. POLK #3 CT OIL	159	200	0.2	-	25.2	31,900	LGT OIL	1,100	5,800,000	6,380.0	140,823	70.41	128.02
18. POLK #3 TOTAL	**159**	**21,050**	**17.8**	**98.2**	**92.8**	**11,436**	-	-	-	**240,720.0**	**1,403,539**	**6.67**	-
19. POLK #4 CT GAS	**151**	**18,480**	**16.4**	**98.8**	**97.9**	**11,082**	**GAS**	**199,210**	**1,028,011**	**204,790.0**	**1,103,464**	**5.97**	**5.54**
20. POLK #5 CT GAS	**151**	**13,650**	**12.2**	**98.9**	**99.3**	**10,997**	**GAS**	**146,020**	**1,028,010**	**150,110.0**	**808,834**	**5.93**	**5.54**
21. POLK STATION TOTAL	**840**	**237,020**	**37.9**	**96.9**	**97.4**	**10,466**	-	-	-	**2,480,760.0**	**10,486,430**	**4.42**	-
22. CITY OF TAMPA GAS [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23. BAYSIDE #1	701	246,420	47.2	89.1	57.8	7,367	GAS	1,766,020	1,028,001	1,815,470.0	9,782,334	3.97	5.54
24. BAYSIDE #2	929	374,120	54.1	89.0	59.6	7,356	GAS	2,677,230	1,027,999	2,752,190.0	14,829,706	3.96	5.54
25. BAYSIDE #3	56	4,020	9.6	98.6	97.0	10,950	GAS	42,830	1,027,784	44,020.0	237,244	5.90	5.54
26. BAYSIDE #4	56	3,400	8.2	98.6	97.9	10,994	GAS	36,370	1,027,770	37,380.0	201,461	5.93	5.54
27. BAYSIDE #5	56	5,320	12.8	98.6	95.0	11,026	GAS	57,060	1,028,041	58,660.0	316,067	5.94	5.54
28. BAYSIDE #6	56	4,550	10.9	98.6	96.7	10,969	GAS	48,550	1,028,012	49,910.0	268,928	5.91	5.54
29. BAYSIDE TOTAL	**1,854**	**637,830**	**46.2**	**90.2**	**59.5**	**7,459**	**GAS**	**4,628,060**	**1,027,997**	**4,757,630.0**	**25,635,740**	**4.02**	**5.54**
30. SYSTEM	**4,292**	**1,863,080**	**58.3**	**90.4**	**79.3**	**9,309**	-	-	-	**17,343,520.0**	**70,420,741**	**3.78**	-

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[3] City of Tampa on long term reserve standby.

[2] Fuel burned (MM BTU) system total excludes ignition oil.

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: AUGUST 2013

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. B.B.#1	385	245,060	85.6	85.1	95.3	10,100	COAL	105,640	23,430,519	2,475,200.0	8,480,209	3.46	80.27
2. B.B.#2	385	250,540	87.5	87.9	96.4	10,192	COAL	109,030	23,419,151	2,553,390.0	8,752,345	3.49	80.27
3. B.B.#3	365	237,470	87.4	88.0	97.1	10,434	COAL	105,750	23,429,882	2,477,710.0	8,489,043	3.57	80.27
4. B.B.#4	407	259,820	85.8	86.2	96.4	10,141	COAL	112,460	23,429,308	2,634,860.0	9,027,685	3.47	80.27
B.B. IGNITION	-	-	-	-	-	-	LGT OIL	3,560	-	0.0	470,681	-	132.21
5. B.B. COAL	**1,542**	**992,890**	**86.5**	**86.8**	**96.3**	**10,214**	-	-	-	-	**35,219,963**	**3.55**	-
6. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	70	34,285,714	2,400.0	9,255	0.00	132.21
7. B.B.C.T.#4 GAS	56	1,590	3.8	-	94.6	11,340	GAS	17,550	1,027,350	18,030.0	99,625	6.27	5.68
8. B.B.C.T.#4 TOTAL	**56**	**1,590**	**3.8**	**99.4**	**83.5**	**12,849**	-	-	-	**20,430.0**	**108,880**	**6.85**	-
9. BIG BEND STATION TOTAL	**1,598**	**994,480**	**83.6**	**87.2**	**96.3**	**10,218**	-	-	-	**10,161,590.0**	**35,328,843**	**3.55**	-
10. POLK #1 GASIFIER	220	155,840	95.2	-	98.8	10,134	COAL	57,270	27,574,996	1,579,220.0	5,400,852	3.47	94.31
11. POLK #1 CT GAS	218	3,400	2.1	-	91.7	7,538	GAS	29,310	874,446	25,630.0	166,382	4.89	5.68
12. POLK #1 TOTAL	**220**	**159,240**	**97.3**	**92.4**	**98.6**	**10,078**	-	-	-	**1,604,850.0**	**5,567,234**	**3.50**	-
13. POLK #2 CT GAS	151	25,690	22.9	-	94.5	11,196	GAS	279,790	1,027,985	287,620.0	1,588,264	6.18	5.68
14. POLK #2 CT OIL	159	160	0.1	-	25.2	31,938	LGT OIL	890	5,741,573	5,110.0	114,321	71.45	128.45
15. POLK #2 TOTAL	**159**	**25,850**	**21.9**	**98.2**	**92.9**	**11,324**	-	-	-	**292,730.0**	**1,702,585**	**6.59**	-
16. POLK #3 CT GAS	151	18,730	16.7	-	96.9	11,188	GAS	203,850	1,028,011	209,560.0	1,157,180	6.18	5.68
17. POLK #3 CT OIL	159	160	0.1	-	25.2	31,938	LGT OIL	890	5,741,573	5,110.0	114,322	71.45	128.45
18. POLK #3 TOTAL	**159**	**18,890**	**16.0**	**98.2**	**94.6**	**11,364**	-	-	-	**214,670.0**	**1,271,502**	**6.73**	-
19. POLK #4 CT GAS	**151**	**16,610**	**14.8**	**98.8**	**98.2**	**11,118**	**GAS**	**179,640**	**1,028,000**	**184,670.0**	**1,019,749**	**6.14**	**5.68**
20. POLK #5 CT GAS	**151**	**11,290**	**10.0**	**98.9**	**98.4**	**11,177**	**GAS**	**122,750**	**1,028,024**	**126,190.0**	**696,806**	**6.17**	**5.68**
21. POLK STATION TOTAL	**840**	**231,880**	**37.1**	**96.9**	**97.6**	**10,450**	-	-	-	**2,423,110.0**	**10,257,876**	**4.42**	-
22. CITY OF TAMPA GAS [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23. BAYSIDE #1	701	253,850	48.7	89.1	59.0	7,353	GAS	1,815,600	1,028,007	1,866,450.0	10,306,483	4.06	5.68
24. BAYSIDE #2	929	396,910	57.4	89.0	63.2	7,332	GAS	2,830,790	1,027,999	2,910,050.0	16,069,337	4.05	5.68
25. BAYSIDE #3	56	3,840	9.2	98.6	93.9	11,052	GAS	41,290	1,027,852	42,440.0	234,388	6.10	5.68
26. BAYSIDE #4	56	2,790	6.7	98.6	94.0	11,197	GAS	30,390	1,027,970	31,240.0	172,513	6.18	5.68
27. BAYSIDE #5	56	5,920	14.2	98.6	93.6	11,051	GAS	63,630	1,028,131	65,420.0	361,204	6.10	5.68
28. BAYSIDE #6	56	4,250	10.2	98.6	93.7	11,092	GAS	45,860	1,027,911	47,140.0	260,330	6.13	5.68
29. BAYSIDE TOTAL	**1,854**	**667,560**	**48.4**	**90.2**	**62.0**	**7,434**	**GAS**	**4,827,560**	**1,028,002**	**4,962,740.0**	**27,404,255**	**4.11**	**5.68**
30. SYSTEM	**4,292**	**1,893,920**	**59.3**	**90.4**	**80.7**	**9,265**	-	-	-	**17,547,440.0**	**72,990,974**	**3.85**	-

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] City of Tampa on long term reserve standby.

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: SEPTEMBER 2013

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. B.B.#1	385	235,800	85.1	85.1	94.7	10,106	COAL	101,710	23,428,965	2,382,960.0	8,233,565	3.49	80.95
2. B.B.#2	385	240,120	86.6	87.9	95.5	10,201	COAL	104,590	23,420,690	2,449,570.0	8,466,707	3.53	80.95
3. B.B.#3	365	222,300	84.6	88.0	94.0	10,473	COAL	99,370	23,428,198	2,328,060.0	8,044,142	3.62	80.95
4. B.B.#4	407	248,650	84.9	86.2	95.5	10,151	COAL	107,730	23,429,685	2,524,080.0	8,720,895	3.51	80.95
B.B. IGNITION	-	-	-	-	-	-	LGT OIL	3,560	-	0.0	472,708	-	132.78
5. B.B. COAL	**1,542**	**946,870**	**85.3**	**86.8**	**94.9**	**10,228**	-	-	-	-	**33,938,017**	**3.58**	-
6. B.B.C.T.#4 OIL	56	10	0.0	-	3.0	309,000	LGT OIL	100	30,900,000	3,090.0	16,478	164.78	164.78
7. B.B.C.T.#4 GAS	56	2,440	6.1	-	99.0	11,008	GAS	26,130	1,027,937	26,860.0	155,845	6.39	5.96
8. B.B.C.T.#4 TOTAL	**56**	**2,450**	**6.1**	**99.4**	**87.5**	**12,224**	-	-	-	**29,950.0**	**172,323**	**7.03**	-
9. BIG BEND STATION TOTAL	**1,598**	**949,320**	**82.5**	**87.2**	**94.9**	**10,233**	-	-	-	**9,714,620.0**	**34,110,340**	**3.59**	-
10. POLK #1 GASIFIER	220	150,810	95.2	-	98.8	10,135	COAL	55,430	27,575,501	1,528,510.0	5,145,237	3.41	92.82
11. POLK #1 CT GAS	218	3,090	2.0	-	88.6	7,485	GAS	26,880	860,491	23,130.0	160,318	5.19	5.96
12. POLK #1 TOTAL	**220**	**153,900**	**97.2**	**92.4**	**98.5**	**10,082**	-	-	-	**1,551,640.0**	**5,305,555**	**3.45**	-
13. POLK #2 CT GAS	151	22,940	21.1	-	96.8	11,108	GAS	247,870	1,027,999	254,810.0	1,478,353	6.44	5.96
14. POLK #2 CT OIL	159	210	0.2	-	26.4	30,619	LGT OIL	1,110	5,792,793	6,430.0	143,167	68.17	128.98
15. POLK #2 TOTAL	**159**	**23,150**	**20.2**	**98.2**	**94.5**	**11,285**	-	-	-	**261,240.0**	**1,621,520**	**7.00**	-
16. POLK #3 CT GAS	151	16,450	15.1	-	98.1	11,092	GAS	177,490	1,028,002	182,460.0	1,058,591	6.44	5.96
17. POLK #3 CT OIL	159	210	0.2	-	26.4	30,619	LGT OIL	1,110	5,792,793	6,430.0	143,167	68.17	128.98
18. POLK #3 TOTAL	**159**	**16,660**	**14.6**	**98.2**	**94.9**	**11,338**	-	-	-	**188,890.0**	**1,201,758**	**7.21**	-
19. POLK #4 CT GAS	**151**	**17,180**	**15.8**	**98.8**	**98.9**	**10,997**	**GAS**	**183,780**	**1,028,023**	**188,930.0**	**1,096,106**	**6.38**	**5.96**
20. POLK #5 CT GAS	**151**	**13,390**	**12.3**	**98.9**	**99.6**	**10,992**	**GAS**	**143,170**	**1,028,009**	**147,180.0**	**853,898**	**6.38**	**5.96**
21. POLK STATION TOTAL	**840**	**224,280**	**37.1**	**96.9**	**97.9**	**10,424**	-	-	-	**2,337,880.0**	**10,078,837**	**4.49**	-
22. CITY OF TAMPA GAS [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23. BAYSIDE #1	701	208,670	41.3	89.1	53.4	7,398	GAS	1,501,650	1,028,003	1,543,700.0	8,956,182	4.29	5.96
24. BAYSIDE #2	929	348,130	52.0	89.0	57.3	7,367	GAS	2,494,720	1,027,995	2,564,560.0	14,879,078	4.27	5.96
25. BAYSIDE #3	56	4,210	10.4	98.6	96.4	11,010	GAS	45,090	1,027,944	46,350.0	268,927	6.39	5.96
26. BAYSIDE #4	56	3,550	8.8	98.6	97.5	10,989	GAS	37,950	1,027,931	39,010.0	226,342	6.38	5.96
27. BAYSIDE #5	56	5,900	14.6	98.6	95.8	10,969	GAS	62,950	1,028,118	64,720.0	375,448	6.36	5.96
28. BAYSIDE #6	56	4,960	12.3	98.6	96.3	10,974	GAS	52,950	1,027,951	54,430.0	315,806	6.37	5.96
29. BAYSIDE TOTAL	**1,854**	**575,420**	**43.1**	**90.2**	**56.6**	**7,495**	**GAS**	**4,195,310**	**1,027,998**	**4,312,770.0**	**25,021,783**	**4.35**	**5.96**
30. SYSTEM	**4,292**	**1,749,020**	**56.6**	**90.4**	**77.8**	**9,357**	-	-	-	**16,365,270.0**	**69,210,960**	**3.96**	-

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] City of Tampa on long term reserve standby.

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: OCTOBER 2013

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. B.B.#1	385	241,910	84.5	85.1	94.1	10,113	COAL	104,420	23,429,324	2,446,490.0	8,413,381	3.48	80.57
2. B.B.#2	385	246,000	85.9	87.9	94.7	10,214	COAL	107,280	23,420,582	2,512,560.0	8,643,816	3.51	80.57
3. B.B.#3	365	153,150	56.4	59.6	92.4	10,492	COAL	68,580	23,430,300	1,606,850.0	5,525,664	3.61	80.57
4. B.B.#4	407	205,340	67.8	69.5	94.5	10,165	COAL	89,080	23,430,400	2,087,180.0	7,177,400	3.50	80.57
B.B. IGNITION	-	-	-	-	-	-	LGT OIL	4,450	-	0.0	593,861	-	133.45
5. B.B. COAL	**1,542**	**846,400**	**73.8**	**75.6**	**94.0**	**10,223**	-	-	-	-	**30,354,122**	**3.59**	-
6. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	70	34,285,714	2,400.0	9,342	0.00	133.46
7. B.B.C.T.#4 GAS	56	710	1.7	-	97.5	10,958	GAS	7,570	1,027,741	7,780.0	45,988	6.48	6.08
8. B.B.C.T.#4 TOTAL	**56**	**710**	**1.7**	**99.4**	**74.6**	**14,338**	-	-	-	**10,180.0**	**55,330**	**7.79**	-
9. BIG BEND STATION TOTAL	**1,598**	**847,110**	**71.3**	**76.5**	**94.0**	**10,227**	-	-	-	**8,663,260.0**	**30,409,452**	**3.59**	-
10. POLK #1 GASIFIER	220	130,730	79.9	-	98.7	10,177	COAL	48,060	27,681,856	1,330,390.0	4,413,140	3.38	91.83
11. POLK #1 CT GAS	218	5,730	3.5	-	93.9	7,717	GAS	51,760	854,328	44,220.0	314,446	5.49	6.08
12. POLK #1 TOTAL	**220**	**136,460**	**83.4**	**77.5**	**98.5**	**10,073**	-	-	-	**1,374,610.0**	**4,727,586**	**3.46**	-
13. POLK #2 CT GAS	151	11,660	10.4	-	86.8	11,596	GAS	131,540	1,027,900	135,210.0	799,117	6.85	6.08
14. POLK #2 CT OIL	159	160	0.1	-	25.2	31,938	LGT OIL	890	5,741,573	5,110.0	115,165	71.98	129.40
15. POLK #2 TOTAL	**159**	**11,820**	**10.0**	**98.2**	**84.0**	**11,871**	-	-	-	**140,320.0**	**914,282**	**7.74**	-
16. POLK #3 CT GAS	151	8,410	7.5	-	91.3	11,451	GAS	93,680	1,027,968	96,300.0	569,114	6.77	6.08
17. POLK #3 CT OIL	159	160	0.1	-	25.2	31,938	LGT OIL	890	5,741,573	5,110.0	115,165	71.98	129.40
18. POLK #3 TOTAL	**159**	**8,570**	**7.2**	**98.2**	**87.0**	**11,833**	-	-	-	**101,410.0**	**684,279**	**7.98**	-
19. POLK #4 CT GAS	**151**	**6,070**	**5.4**	**57.4**	**91.4**	**11,328**	**GAS**	**66,890**	**1,027,956**	**68,760.0**	**406,362**	**6.69**	**6.08**
20. POLK #5 CT GAS	**151**	**4,650**	**4.1**	**86.1**	**96.2**	**11,292**	**GAS**	**51,080**	**1,027,995**	**52,510.0**	**310,315**	**6.67**	**6.08**
21. POLK STATION TOTAL	**840**	**167,570**	**26.8**	**83.3**	**96.3**	**10,369**	-	-	-	**1,737,610.0**	**7,042,824**	**4.20**	-
22. CITY OF TAMPA GAS [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23. BAYSIDE #1	701	212,700	40.8	89.1	55.6	7,404	GAS	1,531,840	1,027,999	1,574,730.0	9,306,054	4.38	6.08
24. BAYSIDE #2	929	373,780	54.1	89.0	59.5	7,342	GAS	2,669,550	1,028,005	2,744,310.0	16,217,736	4.34	6.08
25. BAYSIDE #3	56	2,190	5.3	98.6	93.1	11,279	GAS	24,020	1,028,310	24,700.0	145,923	6.66	6.08
26. BAYSIDE #4	56	1,530	3.7	98.6	94.2	11,451	GAS	17,050	1,027,566	17,520.0	103,580	6.77	6.08
27. BAYSIDE #5	56	3,880	9.3	98.6	91.2	11,224	GAS	42,370	1,027,850	43,550.0	257,401	6.63	6.08
28. BAYSIDE #6	56	2,920	7.0	98.6	93.1	11,216	GAS	31,850	1,028,257	32,750.0	193,491	6.63	6.08
29. BAYSIDE TOTAL	**1,854**	**597,000**	**43.3**	**90.2**	**58.4**	**7,433**	**GAS**	**4,316,680**	**1,028,003**	**4,437,560.0**	**26,224,185**	**4.39**	**6.08**
30. SYSTEM	**4,292**	**1,611,680**	**50.5**	**83.7**	**76.9**	**9,207**	-	-	-	**14,838,430.0**	**63,676,461**	**3.95**	-

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[3] City of Tampa on long term reserve standby.

[2] Fuel burned (MM BTU) system total excludes ignition oil.

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: NOVEMBER 2013

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. B.B.#1	385	227,360	82.0	85.1	91.3	10,149	COAL	98,480	23,430,240	2,307,410.0	7,859,254	3.46	79.81
2. B.B.#2	385	227,160	81.9	87.9	90.4	10,282	COAL	99,730	23,420,134	2,335,690.0	7,959,006	3.50	79.81
3. B.B.#3	365	209,370	79.7	88.0	88.5	10,547	COAL	94,250	23,429,496	2,208,230.0	7,521,674	3.59	79.81
4. B.B.#4	407	206,210	70.4	74.7	91.3	10,211	COAL	89,870	23,429,064	2,105,570.0	7,172,128	3.48	79.81
B.B. IGNITION	-	-	-	-	-	-	LGT OIL	5,340	-	0.0	716,563	-	134.19
5. B.B. COAL	**1,542**	**870,100**	**78.4**	**83.7**	**90.4**	**10,294**	**-**	**-**	**-**	**-**	**31,228,625**	**3.59**	**-**
6. B.B.C.T.#4 OIL	56	0	0.0	-	0.0	0	LGT OIL	70	34,285,714	2,400.0	9,393	0.00	134.19
7. B.B.C.T.#4 GAS	56	710	1.8	-	90.6	11,592	GAS	8,010	1,027,466	8,230.0	53,544	7.54	6.68
8. B.B.C.T.#4 TOTAL	**56**	**710**	**1.8**	**99.4**	**70.4**	**14,972**	**-**	**-**	**-**	**10,630.0**	**62,937**	**8.86**	**-**
9. BIG BEND STATION TOTAL	**1,598**	**870,810**	**75.7**	**84.3**	**90.3**	**10,298**	**-**	**-**	**-**	**8,967,530.0**	**31,291,562**	**3.59**	**-**
10. POLK #1 GASIFIER	220	150,780	95.2	-	98.8	10,136	COAL	55,430	27,571,351	1,528,280.0	5,044,971	3.35	91.02
11. POLK #1 CT GAS	218	2,400	1.5	-	100.1	7,546	GAS	22,000	823,182	18,110.0	147,063	6.13	6.68
12. POLK #1 TOTAL	**220**	**153,180**	**96.7**	**92.4**	**98.8**	**10,095**	**-**	**-**	**-**	**1,546,390.0**	**5,192,034**	**3.39**	**-**
13. POLK #2 CT GAS	151	14,140	13.0	-	91.8	11,253	GAS	154,790	1,027,973	159,120.0	1,034,722	7.32	6.68
14. POLK #2 CT OIL	159	170	0.1	-	26.7	30,294	LGT OIL	890	5,786,517	5,150.0	115,531	67.96	129.81
15. POLK #2 TOTAL	**159**	**14,310**	**12.5**	**98.2**	**89.2**	**11,479**	**-**	**-**	**-**	**164,270.0**	**1,150,253**	**8.04**	**-**
16. POLK #3 CT GAS	151	8,710	8.0	-	93.0	11,269	GAS	95,480	1,027,964	98,150.0	638,253	7.33	6.68
17. POLK #3 CT OIL	159	170	0.1	-	26.7	30,294	LGT OIL	890	5,786,517	5,150.0	115,531	67.96	129.81
18. POLK #3 TOTAL	**159**	**8,880**	**7.8**	**98.2**	**88.8**	**11,633**	**-**	**-**	**-**	**103,300.0**	**753,784**	**8.49**	**-**
19. POLK #4 CT GAS	**151**	**6,840**	**6.3**	**75.8**	**98.5**	**11,057**	**GAS**	**73,570**	**1,028,001**	**75,630.0**	**491,792**	**7.19**	**6.68**
20. POLK #5 CT GAS	**151**	**3,540**	**3.3**	**98.9**	**97.7**	**11,014**	**GAS**	**37,920**	**1,028,217**	**38,990.0**	**253,483**	**7.16**	**6.68**
21. POLK STATION TOTAL	**840**	**186,750**	**30.9**	**92.8**	**97.4**	**10,327**	**-**	**-**	**-**	**1,928,580.0**	**7,841,346**	**4.20**	**-**
22. CITY OF TAMPA GAS [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23. BAYSIDE #1	701	113,100	22.4	68.3	51.1	7,449	GAS	819,520	1,028,004	842,470.0	5,478,229	4.84	6.68
24. BAYSIDE #2	929	146,910	22.0	68.2	31.5	7,593	GAS	1,085,130	1,028,006	1,115,520.0	7,253,747	4.94	6.68
25. BAYSIDE #3	56	2,770	6.9	98.6	89.9	11,235	GAS	30,270	1,028,081	31,120.0	202,345	7.30	6.68
26. BAYSIDE #4	56	1,620	4.0	98.6	90.4	11,444	GAS	18,030	1,028,286	18,540.0	120,525	7.44	6.68
27. BAYSIDE #5	56	4,530	11.2	98.6	89.9	11,174	GAS	49,240	1,028,026	50,620.0	329,154	7.27	6.68
28. BAYSIDE #6	56	3,600	8.9	98.6	90.5	11,175	GAS	39,140	1,027,849	40,230.0	261,638	7.27	6.68
29. BAYSIDE TOTAL	**1,854**	**272,530**	**20.4**	**71.9**	**38.8**	**7,700**	**GAS**	**2,041,330**	**1,028,006**	**2,098,500.0**	**13,645,638**	**5.01**	**6.68**
30. SYSTEM	**4,292**	**1,330,090**	**43.0**	**80.6**	**71.6**	**9,770**	**-**	**-**	**-**	**12,994,610.0**	**52,778,546**	**3.97**	**-**

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[2] Fuel burned (MM BTU) system total excludes ignition oil.
[3] City of Tampa on long term reserve standby.

SCHEDULE E4

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: DECEMBER 2013

	(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1.	B.B.#1	395	160,310	54.5	57.7	89.6	10,066	COAL	68,870	23,429,940	1,613,620.0	5,505,537	3.43	79.94
2.	B.B.#2	395	159,360	54.2	59.5	88.3	10,265	COAL	69,840	23,421,535	1,635,760.0	5,583,079	3.50	79.94
3.	B.B.#3	365	218,610	80.5	88.0	89.4	10,498	COAL	97,960	23,428,032	2,295,010.0	7,831,024	3.58	79.94
4.	B.B.#4	417	252,670	81.4	86.2	91.5	10,138	COAL	109,330	23,430,074	2,561,610.0	8,739,966	3.46	79.94
	B.B. IGNITION	-	-	-	-	-	-	LGT OIL	3,560	-	0.0	479,352	-	134.65
5.	**B.B. COAL**	**1,572**	**790,950**	**67.6**	**72.7**	**89.9**	**10,248**	-	-	-	-	**28,138,958**	**3.56**	-
6.	B.B.C.T.#4 OIL	61	0	0.0	-	0.0	0	LGT OIL	30	71,666,667	2,150.0	7,239	0.00	241.30
7.	B.B.C.T.#4 GAS	61	170	0.4	-	92.9	11,588	GAS	1,920	1,026,042	1,970.0	12,177	7.16	6.34
8.	**B.B.C.T.#4 TOTAL**	**61**	**170**	**0.4**	**99.4**	**39.8**	**24,235**	-	-	-	**4,120.0**	**19,416**	**11.42**	-
9.	**BIG BEND STATION TOTAL**	**1,633**	**791,120**	**65.1**	**73.7**	**89.9**	**10,251**	-	-	-	**8,110,120.0**	**28,158,374**	**3.56**	-
10.	POLK #1 GASIFIER	220	155,710	95.1	-	98.7	10,137	COAL	57,240	27,574,423	1,578,360.0	5,158,051	3.31	90.11
11.	POLK #1 CT GAS	235	3,100	1.8	-	87.9	7,316	GAS	26,440	857,791	22,680.0	167,693	5.41	6.34
12.	**POLK #1 TOTAL**	**220**	**158,810**	**97.0**	**92.4**	**98.5**	**10,081**	-	-	-	**1,601,040.0**	**5,325,744**	**3.35**	-
13.	POLK #2 CT GAS	183	1,260	0.9	-	98.4	10,786	GAS	13,220	1,027,988	13,590.0	83,847	6.65	6.34
14.	POLK #2 CT OIL	187	170	0.1	-	18.2	36,529	LGT OIL	1,070	5,803,738	6,210.0	139,408	82.00	130.29
15.	**POLK #2 TOTAL**	**187**	**1,430**	**1.0**	**98.2**	**64.5**	**13,846**	-	-	-	**19,800.0**	**223,255**	**15.61**	-
16.	POLK #3 CT GAS	183	720	0.5	-	98.4	11,083	GAS	7,770	1,027,027	7,980.0	49,280	6.84	6.34
17.	POLK #3 CT OIL	187	170	0.1	-	18.2	36,529	LGT OIL	1,070	5,803,738	6,210.0	139,408	82.00	130.29
18.	**POLK #3 TOTAL**	**187**	**890**	**0.6**	**98.2**	**53.4**	**15,944**	-	-	-	**14,190.0**	**188,688**	**21.20**	-
19.	**POLK #4 CT GAS**	**183**	**550**	**0.4**	**98.8**	**75.1**	**12,000**	**GAS**	**6,420**	**1,028,037**	**6,600.0**	**40,718**	**7.40**	**6.34**
20.	**POLK #5 CT GAS**	**183**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
21.	**POLK STATION TOTAL**	**960**	**161,680**	**22.6**	**78.3**	**97.5**	**10,154**	-	-	-	**1,641,630.0**	**5,778,405**	**3.57**	-
22.	**CITY OF TAMPA GAS** [3]	**0**	**0**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
23.	BAYSIDE #1	792	230,940	39.2	89.1	50.2	7,276	GAS	1,634,620	1,028,000	1,680,390.0	10,367,406	4.49	6.34
24.	BAYSIDE #2	1,047	211,790	27.2	89.0	29.9	7,348	GAS	1,513,780	1,028,003	1,556,170.0	9,600,991	4.53	6.34
25.	BAYSIDE #3	61	660	1.5	98.6	90.2	11,015	GAS	7,080	1,026,836	7,270.0	44,904	6.80	6.34
26.	BAYSIDE #4	61	340	0.7	98.6	92.9	11,294	GAS	3,730	1,029,491	3,840.0	23,657	6.96	6.34
27.	BAYSIDE #5	61	1,500	3.3	98.6	87.8	11,047	GAS	16,120	1,027,916	16,570.0	102,239	6.82	6.34
28.	BAYSIDE #6	61	1,140	2.5	98.6	89.0	11,009	GAS	12,210	1,027,846	12,550.0	77,441	6.79	6.34
29.	**BAYSIDE TOTAL**	**2,083**	**446,370**	**28.8**	**90.2**	**38.1**	**7,341**	**GAS**	**3,187,540**	**1,028,000**	**3,276,790.0**	**20,216,638**	**4.53**	**6.34**
30.	**SYSTEM**	**4,676**	**1,399,170**	**40.2**	**82.0**	**63.1**	**9,312**	-	-	-	**13,028,540.0**	**54,153,417**	**3.87**	-

LEGEND:
B.B. = BIG BEND
C.T. = COMBUSTION TURBINE

[1] As burned fuel cost system total includes ignition oil.
[2] City of Tampa on long term reserve standby.

[2] Fuel burned (MM BTU) system total excludes ignition oil.

TAMPA ELECTRIC COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ACTUAL FOR THE PERIOD: JANUARY 2013 THROUGH JUNE 2013

SCHEDULE E5

	ACTUAL					
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
HEAVY OIL						
1. PURCHASES:						
2. UNITS (BBL)	0	0	0	0	0	0
3. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT ($)	0	0	0	0	0	0
5. BURNED:						
6. UNITS (BBL)	0	0	0	0	0	0
7. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT ($)	0	0	0	0	0	0
9. ENDING INVENTORY:						
10. UNITS (BBL)	0	0	0	0	0	0
11. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT ($)	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0
LIGHT OIL						
14. PURCHASES:						
15. UNITS (BBL)	4,114	4,112	7,839	15,848	2,031	7,937
16. UNIT COST ($/BBL)	134.75	139.82	133.47	130.78	127.96	131.04
17. AMOUNT ($)	554,369	574,940	1,046,235	2,072,605	259,879	1,040,085
18. BURNED:						
19. UNITS (BBL)	4,547	4,479	5,852	1,594	(174)	35
20. UNIT COST ($/BBL)	125.27	125.88	126.90	127.68	127.30	132.69
21. AMOUNT ($)	569,602	563,813	742,615	203,514	(22,150)	4,644
22. ENDING INVENTORY:						
23. UNITS (BBL)	87,858	81,679	80,534	92,470	89,237	91,441
24. UNIT COST ($/BBL)	128.05	128.59	129.09	129.35	129.20	129.25
25. AMOUNT ($)	11,250,083	10,503,113	10,395,929	11,960,722	11,529,472	11,818,390
26. DAYS SUPPLY: NORMAL	534	529	556	675	670	711
27. DAYS SUPPLY: EMERGENCY	13	12	12	13	13	13
COAL						
28. PURCHASES:						
29. UNITS (TONS)	311,846	375,022	369,305	385,367	434,658	446,873
30. UNIT COST ($/TON)	77.85	85.69	79.32	78.40	82.76	79.16
31. AMOUNT ($)	24,275,805	32,136,440	29,294,228	30,214,103	35,973,005	35,373,852
32. BURNED:						
33. UNITS (TONS)	298,817	220,243	391,806	335,418	374,633	404,256
34. UNIT COST ($/TON)	81.87	73.72	76.68	73.49	85.22	81.44
35. AMOUNT ($)	24,464,225	16,236,277	30,045,365	24,651,021	31,926,565	32,924,310
36. ENDING INVENTORY:						
37. UNITS (TONS)	423,201	577,980	555,479	605,428	665,453	708,070
38. UNIT COST ($/TON)	82.50	84.97	83.36	82.26	83.82	83.32
39. AMOUNT ($)	34,914,416	49,110,792	46,303,004	49,802,988	55,778,515	58,999,447
40. DAYS SUPPLY:	34	54	49	48	47	47
NATURAL GAS						
41. PURCHASES:						
42. UNITS (MCF)	4,255,002	5,266,523	3,845,336	4,669,607	5,516,597	6,310,216
43. UNIT COST ($/MCF)	5.24	4.74	5.20	5.56	5.46	5.25
44. AMOUNT ($)	22,311,102	24,981,251	19,981,322	25,955,920	30,104,892	33,112,162
45. BURNED:						
46. UNITS (MCF)	4,287,064	5,283,555	3,706,166	4,801,870	5,399,416	6,417,498
47. UNIT COST ($/MCF)	5.26	4.73	5.13	5.47	5.50	5.25
48. AMOUNT ($)	22,541,390	24,997,687	19,019,935	26,251,482	29,693,271	33,695,772
49. ENDING INVENTORY:						
50. UNITS (MCF)	764,865	747,833	887,003	754,740	871,921	764,639
51. UNIT COST ($/MCF)	3.34	3.40	3.95	4.25	4.15	3.97
52. AMOUNT ($)	2,557,451	2,541,015	3,502,402	3,206,840	3,618,461	3,034,851
53. DAYS SUPPLY:	5	5	6	5	6	5
NUCLEAR						
54. BURNED:						
55. UNITS (MMBTU)	0	0	0	0	0	0
56. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT ($)	0	0	0	0	0	0
OTHER						
58. PURCHASES:						
59. UNITS (MMBTU)	0	0	0	0	0	0
60. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT ($)	0	0	0	0	0	0
62. BURNED:						
63. UNITS (MMBTU)	0	0	0	0	0	0
64. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT ($)	0	0	0	0	0	0
66. ENDING INVENTORY:						
67. UNITS (MMBTU)	0	0	0	0	0	0
68. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT ($)	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING
(1) LIGHT OIL-OTHER USAGE NOT INCLUDED. (2) COAL-ADDITIVES, IGNITOR AND/OR INVENTORY ADJUSTMENT ARE INCLUDED.

TAMPA ELECTRIC COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ESTIMATED FOR THE PERIOD: JULY 2013 THROUGH DECEMBER 2013

SCHEDULE E5

	Estimated						
	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	TOTAL
HEAVY OIL							
1. PURCHASES:							
2. UNITS (BBL)	0	0	0	0	0	0	0
3. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT ($)	0	0	0	0	0	0	0
5. BURNED:							
6. UNITS (BBL)	0	0	0	0	0	0	0
7. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT ($)	0	0	0	0	0	0	0
9. ENDING INVENTORY:							
10. UNITS (BBL)	0	0	0	0	0	0	0
11. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT ($)	0	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0	-
LIGHT OIL							
14. PURCHASES:							
15. UNITS (BBL)	5,850	5,410	5,880	6,300	7,190	5,730	78,241
16. UNIT COST ($/BBL)	139.30	139.52	139.88	140.20	140.39	140.52	135.97
17. AMOUNT ($)	814,907	754,804	822,490	883,276	1,009,423	805,159	10,638,172
18. BURNED:							
19. UNITS (BBL)	5,850	5,410	5,880	6,300	7,190	5,730	52,693
20. UNIT COST ($/BBL)	50.17	43.97	51.50	38.04	33.44	49.92	69.50
21. AMOUNT ($)	293,494	237,898	302,812	239,672	240,455	286,055	3,662,424
22. ENDING INVENTORY:							
23. UNITS (BBL)	91,441	91,441	91,441	91,441	91,441	91,441	91,441
24. UNIT COST ($/BBL)	129.82	130.33	130.88	131.42	131.99	132.46	132.46
25. AMOUNT ($)	11,871,192	11,917,417	11,967,585	12,017,327	12,069,732	12,112,684	12,112,684
26. DAYS SUPPLY: NORMAL	492	498	511	532	555	546	-
27. DAYS SUPPLY: EMERGENCY	13	13	13	13	13	13	
COAL							
28. PURCHASES:							
29. UNITS (TONS)	377,000	404,000	511,000	430,000	400,000	434,000	4,879,071
30. UNIT COST ($/TON)	79.29	82.29	81.18	80.60	80.50	80.50	80.69
31. AMOUNT ($)	29,892,128	33,245,539	41,484,220	34,658,033	32,199,335	34,938,328	393,685,016
32. BURNED:							
33. UNITS (TONS)	487,390	490,150	468,830	417,420	437,760	403,240	4,729,963
34. UNIT COST ($/TON)	81.13	82.87	83.36	83.29	82.86	82.57	81.15
35. AMOUNT ($)	39,540,572	40,620,815	39,083,254	34,767,262	36,273,596	33,297,009	383,830,271
36. ENDING INVENTORY:							
37. UNITS (TONS)	597,680	511,530	553,700	566,280	528,520	559,280	559,280
38. UNIT COST ($/TON)	83.55	84.40	83.37	82.58	82.34	81.87	81.87
39. AMOUNT ($)	49,935,014	43,172,818	46,161,891	46,761,922	43,519,623	45,787,693	45,787,693
40. DAYS SUPPLY:	38	34	38	42	37	42	-
NATURAL GAS							
41. PURCHASES:							
42. UNITS (MCF)	5,729,983	5,660,450	5,000,630	4,719,200	2,189,910	3,243,310	56,406,764
43. UNIT COST ($/MCF)	5.54	5.68	5.96	6.08	6.97	6.38	5.58
44. AMOUNT ($)	31,756,425	32,152,261	29,821,094	28,681,527	15,256,995	20,691,553	314,806,504
45. BURNED:							
46. UNITS (MCF)	5,521,860	5,660,450	5,000,630	4,719,200	2,433,100	3,243,310	56,474,119
47. UNIT COST ($/MCF)	5.54	5.68	5.96	6.08	6.68	6.34	5.56
48. AMOUNT ($)	30,586,675	32,132,261	29,824,894	28,669,527	16,264,495	20,570,353	314,247,742
49. ENDING INVENTORY:							
50. UNITS (MCF)	972,762	972,762	972,762	972,762	729,572	729,572	729,572
51. UNIT COST ($/MCF)	4.32	4.34	4.34	4.35	4.42	4.59	4.59
52. AMOUNT ($)	4,204,600	4,224,600	4,220,800	4,232,800	3,225,300	3,346,500	3,346,500
53. DAYS SUPPLY:	7	7	7	7	5	5	-
NUCLEAR							
54. BURNED:							
55. UNITS (MMBTU)	0	0	0	0	0	0	0
56. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT ($)	0	0	0	0	0	0	0
OTHER							
58. PURCHASES:							
59. UNITS (MMBTU)	0	0	0	0	0	0	0
60. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT ($)	0	0	0	0	0	0	0
62. BURNED:							
63. UNITS (MMBTU)	0	0	0	0	0	0	0
64. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT ($)	0	0	0	0	0	0	0
66. ENDING INVENTORY:							
67. UNITS (MMBTU)	0	0	0	0	0	0	0
68. UNIT COST ($/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT ($)	0	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0	

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING
(1) LIGHT OIL-OTHER USAGE NOT INCLUDED. (2) COAL-ADDITIVES, IGNITOR AND/OR INVENTORY ADJUSTMENT ARE INCLUDED.

TAMPA ELECTRIC COMPANY
POWER SOLD
ACTUAL FOR THE PERIOD: JANUARY 2013 THROUGH JUNE 2013

SCHEDULE E6

(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
					MWH		CENTS/KWH				
			TYPE	TOTAL	WHEELED FROM	MWH	(A)	(B)	TOTAL $		GAINS ON
MONTH	SOLD TO		& SCHEDULE	MWH SOLD	OTHER SYSTEMS	FROM OWN GENERATION	FUEL COST	TOTAL COST	FOR FUEL ADJUSTMENT	TOTAL COST	MARKET BASED SALES
ACTUAL											
Jan-13	SEMINOLE	JURISD.	SCH. - D	484.0	0.0	484.0	2.448	2.693	11,847.62	13,032.38	615.37
	VARIOUS	JURISD.	SCH. - C	205.0	0.0	205.0	2.150	2.606	4,406.72	5,341.98	818.41
	VARIOUS	JURISD.	SCH. - CB	490.0	0.0	490.0	2.159	2.429	10,577.83	11,900.76	968.76
	VARIOUS	JURISD.	SCH. - MA	996.0	0.0	996.0	2.358	2.939	23,487.62	29,276.77	5,260.74
	TOTAL			**2,175.0**	**0.0**	**2,175.0**	**2.314**	**2.738**	**50,319.79**	**59,551.89**	**7,663.28**
ACTUAL											
Feb-13	SEMINOLE	JURISD.	SCH. - D	574.3	0.0	574.3	2.265	2.492	13,009.03	14,309.93	(838.06)
	VARIOUS	JURISD.	SCH. - C	1,684.0	0.0	1,684.0	2.190	2.573	36,878.66	43,335.32	5,404.66
	VARIOUS	JURISD.	SCH. - CB	2,838.0	0.0	2,838.0	2.305	2.635	65,405.30	74,793.65	6,375.51
	VARIOUS	JURISD.	SCH. - MA	2,626.0	0.0	2,626.0	2.347	3.056	61,628.39	80,239.76	16,748.28
	TOTAL			**7,722.3**	**0.0**	**7,722.3**	**2.291**	**2.754**	**176,921.38**	**212,678.66**	**27,690.39**
ACTUAL											
Mar-13	SEMINOLE	JURISD.	SCH. - D	1,053.3	0.0	1,053.3	2.624	2.886	27,636.05	30,399.66	1,784.38
	VARIOUS	JURISD.	SCH. - C	682.0	0.0	682.0	2.387	2.735	16,280.67	18,655.26	1,775.17
	VARIOUS	JURISD.	SCH. - CB	23,348.0	0.0	23,348.0	2.717	3.114	634,278.82	727,094.77	61,626.25
	VARIOUS	JURISD.	SCH. - MA	5,803.0	0.0	5,803.0	2.716	3.497	157,593.87	202,956.55	39,872.53
	TOTAL			**30,886.3**	**0.0**	**30,886.3**	**2.706**	**3.170**	**835,789.41**	**979,106.24**	**105,058.33**
ACTUAL											
Apr-13	SEMINOLE	JURISD.	SCH. - D	1,138.0	0.0	1,138.0	3.196	3.516	36,375.13	40,012.64	2,852.90
	VARIOUS	JURISD.	SCH. - C	1,039.0	0.0	1,039.0	2.668	3.253	27,720.87	33,797.06	5,698.89
	VARIOUS	JURISD.	SCH. - CB	27,373.0	0.0	27,373.0	3.144	3.597	860,502.47	984,639.10	87,443.19
	VARIOUS	JURISD.	SCH. - MA	7,184.0	0.0	7,184.0	2.743	3.612	197,030.10	259,488.16	56,190.56
	TOTAL			**36,734.0**	**0.0**	**36,734.0**	**3.053**	**3.588**	**1,121,628.57**	**1,317,936.96**	**152,185.54**
ACTUAL											
May-13	SEMINOLE	JURISD.	SCH. - D	964.7	0.0	964.7	2.923	3.216	28,202.07	31,022.28	2,091.15
	VARIOUS	JURISD.	SCH. - C	189.0	0.0	189.0	2.558	3.169	4,834.59	5,990.24	1,106.51
	VARIOUS	JURISD.	SCH. - CB	19,615.0	0.0	19,615.0	3.181	3.661	623,859.05	718,139.02	60,871.66
	VARIOUS	JURISD.	SCH. - MA	13,129.0	0.0	13,129.0	3.187	4.472	418,392.77	587,192.51	149,793.59
	TOTAL			**33,897.7**	**0.0**	**33,897.7**	**3.172**	**3.960**	**1,075,288.48**	**1,342,344.05**	**213,862.91**
ACTUAL											
Jun-13	SEMINOLE	JURISD.	SCH. - D	892.5	0.0	892.5	2.930	3.223	26,146.35	28,760.99	1,996.81
	VARIOUS	JURISD.	SCH. - C	49.0	0.0	49.0	2.603	3.465	1,275.28	1,697.61	380.79
	VARIOUS	JURISD.	SCH. - CB	15,143.0	0.0	15,143.0	3.229	3.692	488,897.18	559,022.83	49,188.17
	VARIOUS	JURISD.	SCH. - MA	1,819.0	0.0	1,819.0	2.800	3.406	50,924.31	61,946.10	10,186.66
	TOTAL			**17,903.5**	**0.0**	**17,903.5**	**3.168**	**3.639**	**567,243.12**	**651,427.53**	**61,752.43**

TAMPA ELECTRIC COMPANY
POWER SOLD
ESTIMATED FOR THE PERIOD: JULY 2013 THROUGH DECEMBER 2013

SCHEDULE E6

(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
					MWH WHEELED		CENTS/KWH				
MONTH	SOLD TO		TYPE & SCHEDULE	TOTAL MWH SOLD	FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT	TOTAL COST	GAINS ON MARKET BASED SALES
ESTIMATED											
Jul-13	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	3.415	3.555	34,490.00	35,907.00	1,417.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	8,190.0	0.0	8,190.0	4.167	4.585	341,311.32	375,480.00	34,168.68
	TOTAL			**9,200.0**	**0.0**	**9,200.0**	**4.085**	**4.472**	**375,801.32**	**411,387.00**	**35,585.68**
ESTIMATED											
Aug-13	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	3.454	3.595	34,890.00	36,307.00	1,417.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	8,080.0	0.0	8,080.0	4.027	4.430	325,403.82	357,980.00	32,576.18
	TOTAL			**9,090.0**	**0.0**	**9,090.0**	**3.964**	**4.338**	**360,293.82**	**394,287.00**	**33,993.18**
ESTIMATED											
Sep-13	SEMINOLE	JURISD.	SCH. - D	1,000.0	0.0	1,000.0	3.539	3.681	35,390.00	36,807.00	1,417.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	7,920.0	0.0	7,920.0	4.306	4.737	341,011.35	375,150.00	34,138.65
	TOTAL			**8,920.0**	**0.0**	**8,920.0**	**4.220**	**4.618**	**376,401.35**	**411,957.00**	**35,555.65**
ESTIMATED											
Oct-13	SEMINOLE	JURISD.	SCH. - D	730.0	0.0	730.0	3.532	3.726	25,780.00	27,197.00	1,417.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	10,180.0	0.0	10,180.0	3.826	4.209	389,497.41	428,490.00	38,992.59
	TOTAL			**10,910.0**	**0.0**	**10,910.0**	**3.806**	**4.177**	**415,277.41**	**455,687.00**	**40,409.59**
ESTIMATED											
Nov-13	SEMINOLE	JURISD.	SCH. - D	650.0	0.0	650.0	3.366	3.584	21,880.00	23,297.00	1,417.00
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	10,090.0	0.0	10,090.0	3.667	4.034	370,017.54	407,060.00	37,042.46
	TOTAL			**10,740.0**	**0.0**	**10,740.0**	**3.649**	**4.007**	**391,897.54**	**430,357.00**	**38,459.46**
ESTIMATED											
Dec-13	SEMINOLE	JURISD.	SCH. - D	580.0	0.0	580.0	3.291	3.536	19,090.00	20,507.55	1,417.55
	VARIOUS	JURISD.	SCH. - C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	14,550.0	0.0	14,550.0	3.367	3.704	489,878.28	538,920.00	49,041.72
	TOTAL			**15,130.0**	**0.0**	**15,130.0**	**3.364**	**3.697**	**508,968.28**	**559,427.55**	**50,459.27**
TOTAL	SEMINOLE	JURISD.	SCH. - D	10,086.8	0.0	10,086.8	3.120	3.347	314,736.25	337,560.43	17,005.10
Jan-13	VARIOUS	JURISD.	SCH. - C	3,848.0	0.0	3,848.0	2.375	2.828	91,396.79	108,817.47	15,184.43
THRU	VARIOUS	JURISD.	SCH. - CB	88,807.0	0.0	88,807.0	3.022	3.463	2,683,520.65	3,075,590.13	266,473.54
Dec-13	VARIOUS	JURISD.	SCH. - MA	90,567.0	0.0	90,567.0	3.496	4.090	3,166,176.78	3,704,179.85	504,012.64
	TOTAL			**193,308.8**	**0.0**	**193,308.8**	**3.236**	**3.738**	**6,255,830.47**	**7,226,147.88**	**802,675.71**

TAMPA ELECTRIC COMPANY
PURCHASED POWER
(EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)
ACTUAL FOR THE PERIOD: JANUARY 2013 THROUGH JUNE 2013

SCHEDULE E7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				MWH	MWH		CENTS/KWH		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	FOR OTHER UTILITIES	FOR INTERRUP-TIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT
ACTUAL Jan-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	(125,469.76)
	VARIOUS	SCH. - D	22,297.0	0.0	0.0	22,297.0	4.355	4.355	970,960.89
	VARIOUS	OATT	953.0	0.0	0.0	953.0	2.549	2.549	24,292.97
	TOTAL		**23,250.0**	**0.0**	**0.0**	**23,250.0**	**3.741**	**3.741**	**869,784.10**
ACTUAL Feb-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	13,147.0	0.0	0.0	13,147.0	4.434	4.434	582,917.64
	VARIOUS	OATT	864.0	0.0	0.0	864.0	2.509	2.509	21,681.19
	TOTAL		**14,011.0**	**0.0**	**0.0**	**14,011.0**	**4.315**	**4.315**	**604,598.83**
ACTUAL Mar-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	2,411.0	0.0	0.0	2,411.0	3.377	3.377	81,413.67
	VARIOUS	OATT	487.0	0.0	0.0	487.0	2.430	2.430	11,834.03
	TOTAL		**2,898.0**	**0.0**	**0.0**	**2,898.0**	**3.218**	**3.218**	**93,247.70**
ACTUAL Apr-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	10,897.0	0.0	0.0	10,897.0	1.066	1.066	116,172.54
	VARIOUS	OATT	1,398.0	0.0	0.0	1,398.0	2.850	2.850	39,845.58
	TOTAL		**12,295.0**	**0.0**	**0.0**	**12,295.0**	**1.269**	**1.269**	**156,018.12**
ACTUAL May-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	12,814.0	0.0	0.0	12,814.0	1.052	1.052	134,802.69
	VARIOUS	OATT	1,383.0	0.0	0.0	1,383.0	2.688	2.688	37,174.69
	TOTAL		**14,197.0**	**0.0**	**0.0**	**14,197.0**	**1.211**	**1.211**	**171,977.38**
ACTUAL Jun-13									
	FPL	EMERG	150.0	0.0	0.0	150.0	16.637	16.637	24,955.50
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	27,743.34
	VARIOUS	SCH. - D	36,696.0	0.0	0.0	36,696.0	2.818	2.818	1,033,910.82
	VARIOUS	OATT	1,148.0	0.0	0.0	1,148.0	2.811	2.811	32,274.54
	TOTAL		**37,994.0**	**0.0**	**0.0**	**37,994.0**	**2.945**	**2.945**	**1,118,884.20**

TAMPA ELECTRIC COMPANY
PURCHASED POWER
(EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)
ESTIMATED FOR THE PERIOD: JULY 2013 THROUGH DECEMBER 2013

SCHEDULE E7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
							CENTS/KWH		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR OTHER UTILITIES	MWH FOR INTERRUP-TIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT
ESTIMATED Jul-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	32,010.0	0.0	0.0	32,010.0	5.174	5.174	1,656,270.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**32,010.0**	**0.0**	**0.0**	**32,010.0**	**5.174**	**5.174**	**1,656,270.00**
ESTIMATED Aug-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	23,570.0	0.0	0.0	23,570.0	4.808	4.808	1,133,340.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**23,570.0**	**0.0**	**0.0**	**23,570.0**	**4.808**	**4.808**	**1,133,340.00**
ESTIMATED Sep-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	30,710.0	0.0	0.0	30,710.0	5.343	5.343	1,640,920.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**30,710.0**	**0.0**	**0.0**	**30,710.0**	**5.343**	**5.343**	**1,640,920.00**
ESTIMATED Oct-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	17,070.0	0.0	0.0	17,070.0	4.972	4.972	848,780.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**17,070.0**	**0.0**	**0.0**	**17,070.0**	**4.972**	**4.972**	**848,780.00**
ESTIMATED Nov-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	12,360.0	0.0	0.0	12,360.0	4.884	4.884	603,610.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**12,360.0**	**0.0**	**0.0**	**12,360.0**	**4.884**	**4.884**	**603,610.00**
ESTIMATED Dec-13									
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	VARIOUS	SCH. - D	4,300.0	0.0	0.0	4,300.0	4.547	4.547	195,540.0
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**4,300.0**	**0.0**	**0.0**	**4,300.0**	**4.547**	**4.547**	**195,540.00**
TOTAL Jan-13 THRU Dec-13	FPL	EMERG	150.0	0.0	0.0	150.0	16.637	16.637	24,955.50
	HPP	IPP	0.0	0.0	0.0	0.0	0.000	0.000	(97,726.42)
	VARIOUS	SCH. - D	218,282.0	0.0	0.0	218,282.0	4.122	4.122	8,998,638.25
	VARIOUS	OATT	6,233.0	0.0	0.0	6,233.0	2.681	2.681	167,103.00
	TOTAL		**224,665.0**	**0.0**	**0.0**	**224,665.0**	**4.047**	**4.047**	**9,092,970.33**

TAMPA ELECTRIC COMPANY
ENERGY PAYMENT TO QUALIFYING FACILITIES
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				MWH			CENTS/KWH		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	FOR OTHER UTILITIES	MWH FOR INTERRUPTIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT
ACTUAL	VARIOUS	CO-GEN.							
Jan-13		FIRM	5,664.0	0.0	0.0	5,664.0	2.598	2.598	147,141.11
		AS AVAIL.	24,643.0	0.0	0.0	24,643.0	2.857	2.857	704,143.00
	TOTAL		**30,307.0**	**0.0**	**0.0**	**30,307.0**	**2.809**	**2.809**	**851,284.11**
ACTUAL	VARIOUS	CO-GEN.							
Feb-13		FIRM	5,152.0	0.0	0.0	5,152.0	2.449	2.449	126,150.17
		AS AVAIL.	16,646.0	0.0	0.0	16,646.0	2.699	2.699	449,345.71
	TOTAL		**21,798.0**	**0.0**	**0.0**	**21,798.0**	**2.640**	**2.640**	**575,495.88**
ACTUAL	VARIOUS	CO-GEN.							
Mar-13		FIRM	5,670.0	0.0	0.0	5,670.0	2.612	2.612	148,122.67
		AS AVAIL.	15,148.0	0.0	0.0	15,148.0	2.750	2.750	416,575.04
	TOTAL		**20,818.0**	**0.0**	**0.0**	**20,818.0**	**2.713**	**2.713**	**564,697.71**
ACTUAL	VARIOUS	CO-GEN.							
Apr-13		FIRM	7,291.0	0.0	0.0	7,291.0	2.951	2.951	215,180.88
		AS AVAIL.	11,183.0	0.0	0.0	11,183.0	2.996	2.996	335,057.73
	TOTAL		**18,474.0**	**0.0**	**0.0**	**18,474.0**	**2.978**	**2.978**	**550,238.61**
ACTUAL	VARIOUS	CO-GEN.							
May-13		FIRM	7,636.0	0.0	0.0	7,636.0	2.852	2.852	217,769.52
		AS AVAIL.	10,449.0	0.0	0.0	10,449.0	2.964	2.964	309,664.06
	TOTAL		**18,085.0**	**0.0**	**0.0**	**18,085.0**	**2.916**	**2.916**	**527,433.58**
ACTUAL	VARIOUS	CO-GEN.							
Jun-13		FIRM	7,532.0	0.0	0.0	7,532.0	2.981	2.981	224,557.54
		AS AVAIL.	17,769.0	0.0	0.0	17,769.0	3.009	3.009	534,685.10
	TOTAL		**25,301.0**	**0.0**	**0.0**	**25,301.0**	**3.001**	**3.001**	**759,242.64**
ESTIMATED	VARIOUS	CO-GEN.							
Jul-13		FIRM	6,420.0	0.0	0.0	6,420.0	2.964	2.964	190,259.30
		AS AVAIL.	14,490.0	0.0	0.0	14,490.0	2.991	2.991	433,408.09
	TOTAL		**20,910.0**	**0.0**	**0.0**	**20,910.0**	**2.983**	**2.983**	**623,667.39**
ESTIMATED	VARIOUS	CO-GEN.							
Aug-13		FIRM	6,420.0	0.0	0.0	6,420.0	2.992	2.992	192,056.98
		AS AVAIL.	14,550.0	0.0	0.0	14,550.0	3.019	3.019	439,314.79
	TOTAL		**20,970.0**	**0.0**	**0.0**	**20,970.0**	**3.011**	**3.011**	**631,371.78**
ESTIMATED	VARIOUS	CO-GEN.							
Sep-13		FIRM	6,210.0	0.0	0.0	6,210.0	2.991	2.991	185,741.46
		AS AVAIL.	14,420.0	0.0	0.0	14,420.0	3.019	3.019	435,311.65
	TOTAL		**20,630.0**	**0.0**	**0.0**	**20,630.0**	**3.010**	**3.010**	**621,053.11**
ESTIMATED	VARIOUS	CO-GEN.							
Oct-13		FIRM	6,420.0	0.0	0.0	6,420.0	2.997	2.997	192,427.62
		AS AVAIL.	14,580.0	0.0	0.0	14,580.0	3.025	3.025	441,070.15
	TOTAL		**21,000.0**	**0.0**	**0.0**	**21,000.0**	**3.017**	**3.017**	**633,497.76**
ESTIMATED	VARIOUS	CO-GEN.							
Nov-13		FIRM	6,210.0	0.0	0.0	6,210.0	3.028	3.028	188,029.79
		AS AVAIL.	14,360.0	0.0	0.0	14,360.0	3.056	3.056	438,841.06
	TOTAL		**20,570.0**	**0.0**	**0.0**	**20,570.0**	**3.048**	**3.048**	**626,870.85**
ESTIMATED	VARIOUS	CO-GEN.							
Dec-13		FIRM	5,700.0	0.0	0.0	5,700.0	3.049	3.049	173,804.19
		AS AVAIL.	14,430.0	0.0	0.0	14,430.0	3.078	3.078	444,088.46
	TOTAL		**20,130.0**	**0.0**	**0.0**	**20,130.0**	**3.070**	**3.070**	**617,892.65**
TOTAL	VARIOUS	CO-GEN.							
Jan-13		FIRM	76,325.0	0.0	0.0	76,325.0	2.884	2.884	2,201,241.23
THRU		AS AVAIL.	182,668.0	0.0	0.0	182,668.0	2.946	2.946	5,381,504.84
Dec-13	TOTAL		**258,993.0**	**0.0**	**0.0**	**258,993.0**	**2.928**	**2.928**	**7,582,746.07**

TAMPA ELECTRIC COMPANY
ECONOMY ENERGY PURCHASES
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E9

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)
								COST IF GENERATED		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR INTERRUP-TIBLE	MWH FOR FIRM	TRANSACT. COST cents/KWH	TOTAL $ FOR FUEL ADJUSTMENT	(A) CENTS PER KWH	(B) ($000)	FUEL SAVINGS (9B)-(8)
ACTUAL	VARIOUS	SCH. - REB	15.0	0.0	15.0	2.500	375.00	4.008	601.20	226.20
Jan-13	VARIOUS	SCH. - C	298.0	0.0	298.0	3.289	9,801.16	4.536	13,516.86	3,715.70
	VARIOUS	SCH. - J	52,366.0	0.0	52,366.0	3.150	1,649,366.00	3.662	1,917,498.78	268,132.78
	TOTAL		52,679.0	0.0	52,679.0	3.150	1,659,542.16	3.667	1,931,616.84	272,074.68
ACTUAL	VARIOUS	SCH. - REB	95.0	0.0	95.0	3.895	3,700.00	4.115	3,909.55	209.55
Feb-13	VARIOUS	SCH. - C	225.0	0.0	225.0	3.269	7,354.15	3.886	8,744.25	1,390.10
	VARIOUS	SCH. - J	45,225.0	0.0	45,225.0	2.916	1,318,821.50	3.254	1,471,829.31	153,007.81
	TOTAL		45,545.0	0.0	45,545.0	2.920	1,329,875.65	3.259	1,484,483.11	154,607.46
ACTUAL	VARIOUS	SCH. - REB	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
Mar-13	VARIOUS	SCH. - C	124.0	0.0	124.0	3.434	4,257.67	4.687	5,812.31	1,554.64
	VARIOUS	SCH. - J	14,030.0	0.0	14,030.0	3.434	481,726.00	4.153	582,728.98	101,002.98
	TOTAL		14,154.0	0.0	14,154.0	3.434	485,983.67	4.158	588,541.29	102,557.62
ACTUAL	VARIOUS	SCH. - REB	2,255.0	0.0	2,255.0	2.780	62,680.00	2.973	67,041.90	4,361.90
Apr-13	VARIOUS	SCH. - C	434.0	0.0	434.0	3.597	15,612.55	4.871	21,141.39	5,528.84
	VARIOUS	SCH. - J	140,055.0	0.0	140,055.0	3.533	4,947,811.50	3.876	5,427,968.15	480,156.65
	TOTAL		142,744.0	0.0	142,744.0	3.521	5,026,104.05	3.864	5,516,151.44	490,047.39
ACTUAL	VARIOUS	SCH. - REB	1,720.0	0.0	1,720.0	2.509	43,160.00	2.788	47,946.80	4,786.80
May-13	VARIOUS	SCH. - C	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
	VARIOUS	SCH. - J	77,027.0	0.0	77,027.0	3.592	2,767,004.00	3.740	2,880,765.12	113,761.12
	TOTAL		78,747.0	0.0	78,747.0	3.569	2,810,164.00	3.719	2,928,711.92	118,547.92
ACTUAL	VARIOUS	SCH. - REB	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
Jun-13	VARIOUS	SCH. - C	0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
	VARIOUS	SCH. - J	24,262.0	0.0	24,262.0	3.814	925,277.00	4.203	1,019,640.84	94,363.84
	TOTAL		24,262.0	0.0	24,262.0	3.814	925,277.00	4.203	1,019,640.84	94,363.84
ESTIMATED	VARIOUS	ECONOMY	18,580.0	0.0	18,580.0	4.024	747,689.95	4.379	813,628.55	65,938.60
Jul-13	TOTAL		18,580.0	0.0	18,580.0	4.024	747,689.95	4.379	813,628.55	65,938.60
ESTIMATED	VARIOUS	ECONOMY	8,330.0	0.0	8,330.0	4.133	344,302.22	4.952	412,469.20	68,166.98
Aug-13	TOTAL		8,330.0	0.0	8,330.0	4.133	344,302.22	4.952	412,469.20	68,166.98
ESTIMATED	VARIOUS	ECONOMY	18,490.0	0.0	18,490.0	4.245	784,968.71	4.600	850,452.75	65,484.03
Sep-13	TOTAL		18,490.0	0.0	18,490.0	4.245	784,968.71	4.600	850,452.75	65,484.03
ESTIMATED	VARIOUS	ECONOMY	12,530.0	0.0	12,530.0	4.439	556,234.54	5.203	651,988.05	95,753.51
Oct-13	TOTAL		12,530.0	0.0	12,530.0	4.439	556,234.54	5.203	651,988.05	95,753.51
ESTIMATED	VARIOUS	ECONOMY	10,110.0	0.0	10,110.0	4.361	440,858.43	5.193	525,001.07	84,142.64
Nov-13	TOTAL		10,110.0	0.0	10,110.0	4.361	440,858.43	5.193	525,001.07	84,142.64
ESTIMATED	VARIOUS	ECONOMY	14,530.0	0.0	14,530.0	4.219	613,033.97	4.975	722,800.51	109,766.54
Dec-13	TOTAL		14,530.0	0.0	14,530.0	4.219	613,033.97	4.975	722,800.51	109,766.54
TOTAL	VARIOUS	SCH. - REB	4,085.0	0.0	4,085.0	2.691	109,915.00	2.925	119,499.45	9,584.45
Jan-13	VARIOUS	SCH. - C	1,081.0	0.0	1,081.0	3.425	37,025.53	4.553	49,214.81	12,189.28
THRU	VARIOUS	SCH. - J	352,965.0	0.0	352,965.0	3.425	12,090,006.00	3.768	13,300,431.18	1,210,425.18
Dec-13	VARIOUS	ECONOMY	82,570.0	0.0	82,570.0	4.223	3,487,087.82	4.816	3,976,340.13	489,252.31
	TOTAL		440,701.0	0.0	440,701.0	3.568	15,724,034.35	3.959	17,445,485.57	1,721,451.22

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 2

CAPACITY COST RECOVERY

ACTUAL / ESTIMATED

JANUARY 2013 THROUGH DECEMBER 2013

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY
CALCULATION OF THE CURRENT (ACTUAL/ESTIMATED) PERIOD TRUE-UP
JANUARY 2013 THROUGH DECEMBER 2013

1.	FINAL OVER/(UNDER) RECOVERY FOR JANUARY 2012 THROUGH DECEMBER 2012	($126,648)
2.	ACTUAL/ESTIMATED OVER/(UNDER) RECOVERY FOR THE CURRENT PERIOD JANUARY 2013 THROUGH DECEMBER 2013	(465,117)
3.	CURRENT PERIOD TRUE-UP AMOUNT TO BE REFUNDED/(RECOVERED) IN THE PROJECTION PERIOD JANUARY 2014 THROUGH DECEMBER 2014	($591,765)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2013 THROUGH DECEMBER 2013

	Actual Jan-13	Actual Feb-13	Actual Mar-13	Actual Apr-13	Actual May-13	Actual Jun-13	Estimated Jul-13	Estimated Aug-13	Estimated Sep-13	Estimated Oct-13	Estimated Nov-13	Estimated Dec-13	Total
1 UNIT POWER CAPACITY CHARGES	1,411,229	1,408,204	1,408,398	1,434,065	2,053,921	1,579,068	1,497,890	1,497,890	1,497,890	1,497,890	1,497,890	1,497,890	18,282,225
2 CAPACITY PAYMENTS TO COGENERATORS	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	13,383,240
3 (UNIT POWER CAPACITY REVENUES)	(13,105)	(34,868)	(141,219)	(241,263)	(206,895)	(121,888)	(126,540)	(126,540)	(126,540)	(126,540)	(126,540)	(126,538)	(1,518,476)
4 TOTAL CAPACITY DOLLARS	2,513,394	2,488,606	2,382,449	2,308,072	2,962,296	2,572,450	2,486,620	2,486,620	2,486,620	2,486,620	2,486,620	2,486,622	30,146,989
5 SEPARATION FACTOR	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
6 JURISDICTIONAL CAPACITY DOLLARS	2,513,394	2,488,606	2,382,449	2,308,072	2,962,296	2,572,450	2,486,620	2,486,620	2,486,620	2,486,620	2,486,620	2,486,622	30,146,989
7 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	2,777,423	2,561,761	2,632,627	2,766,435	2,917,104	3,336,068	3,548,491	3,536,784	3,586,389	3,241,850	2,776,091	2,707,636	36,388,659
8 PRIOR PERIOD TRUE-UP PROVISION	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,542)	(558,543)	(6,702,505)
9 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	2,218,881	2,003,219	2,074,085	2,207,893	2,358,562	2,777,526	2,989,949	2,978,242	3,027,847	2,683,308	2,217,549	2,149,093	29,686,154
10 TRUE-UP PROVISION FOR MONTH OVER/(UNDER) RECOVERY (Line 9 - Line 6)	(294,513)	(485,387)	(308,364)	(100,179)	(603,734)	205,076	503,329	491,622	541,227	196,688	(269,071)	(337,529)	(460,835)
11 INTEREST PROVISION FOR MONTH	(402)	(522)	(509)	(421)	(348)	(272)	(454)	(522)	(361)	(222)	(144)	(105)	(4,282)
12 ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRUE-UP AND INT. PROVISION BEGINNING OF MONTH - OVER/(UNDER) RECOVERY	(6,829,153)	(6,565,526)	(6,492,893)	(6,243,224)	(5,785,282)	(5,830,822)	(5,067,476)	(4,006,059)	(2,956,417)	(1,857,009)	(1,102,001)	(812,674)	(6,829,153)
14 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS MONTH	558,542	558,542	558,542	558,542	558,542	558,542	558,542	558,542	558,542	558,542	558,542	558,543	6,702,505
15 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 10 - 14)	**(6,565,526)**	**(6,492,893)**	**(6,243,224)**	**(5,785,282)**	**(5,830,822)**	**(5,067,476)**	**(4,006,059)**	**(2,956,417)**	**(1,857,009)**	**(1,102,001)**	**(812,674)**	**(591,765)**	**(591,765)**

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2013 THROUGH DECEMBER 2013

	Actual Jan-13	Actual Feb-13	Actual Mar-13	Actual Apr-13	Actual May-13	Actual Jun-13	Estimated Jul-13	Estimated Aug-13	Estimated Sep-13	Estimated Oct-13	Estimated Nov-13	Estimated Dec-13	Total
1 BEGINNING TRUE-UP AMOUNT	(6,829,153)	(6,565,526)	(6,492,893)	(6,243,224)	(5,785,282)	(5,830,822)	(5,067,476)	(4,006,059)	(2,956,417)	(1,857,009)	(1,102,001)	(812,674)	(6,829,153)
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(6,565,124)	(6,492,371)	(6,242,715)	(5,784,861)	(5,830,474)	(5,067,204)	(4,005,605)	(2,955,895)	(1,856,648)	(1,101,779)	(812,530)	(591,660)	(587,483)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT. (LINE 1 + LINE 2)	(13,394,277)	(13,057,897)	(12,735,608)	(12,028,085)	(11,615,756)	(10,898,026)	(9,073,081)	(6,961,954)	(4,813,065)	(2,958,788)	(1,914,531)	(1,404,334)	(7,416,636)
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(6,697,139)	(6,528,949)	(6,367,804)	(6,014,043)	(5,807,878)	(5,449,013)	(4,536,541)	(3,480,977)	(2,406,533)	(1,479,394)	(957,266)	(702,167)	(3,708,318)
5 INTEREST RATE % - 1ST DAY OF MONTH	0.050	0.090	0.100	0.080	0.080	0.070	0.060	0.180	0.180	0.180	0.180	0.180	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	0.090	0.100	0.080	0.080	0.070	0.060	0.180	0.180	0.180	0.180	0.180	0.180	NA
7 TOTAL (LINE 5 + LINE 6)	0.140	0.190	0.180	0.160	0.150	0.130	0.240	0.360	0.360	0.360	0.360	0.360	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	0.070	0.095	0.090	0.080	0.075	0.065	0.120	0.180	0.180	0.180	0.180	0.180	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.006	0.008	0.008	0.007	0.006	0.005	0.010	0.015	0.015	0.015	0.015	0.015	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	(402)	(522)	(509)	(421)	(348)	(272)	(454)	(522)	(361)	(222)	(144)	(105)	(4,282)

TAMPA ELECTRIC COMPANY
CAPACITY COSTS
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E12

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

CONTRACT	ACT JANUARY MW	ACT FEBRUARY MW	ACT MARCH MW	ACT APRIL MW	ACT MAY MW	ACT JUNE MW	EST JULY MW	EST AUGUST MW	EST SEPTEMBER MW	EST OCTOBER MW	EST NOVEMBER MW	EST DECEMBER MW
ORANGE COGEN LP	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
CALPINE	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
PASCO COGEN LTD	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
OLEANDER	160.0	160.0	160.0	160.0	160.0	160.0	155.0	155.0	155.0	155.0	155.0	155.0
SEMINOLE ELECTRIC	1.1	1.1	4.8	5.3	1.0	1.2	1.5	1.7	1.4	1.4	1.2	1.2

CAPACITY	ACT JANUARY ($)	ACT FEBRUARY ($)	ACT MARCH ($)	ACT APRIL ($)	ACT MAY ($)	ACT JUNE ($)	EST JULY ($)	EST AUGUST ($)	EST SEPTEMBER ($)	EST OCTOBER ($)	EST NOVEMBER ($)	EST DECEMBER ($)	TOTAL ($)
ORANGE COGEN LP	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	1,115,270	13,383,240
TOTAL COGENERATION	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 1,115,270	$ 13,383,240

REDACTED

TAMPA ELECTRIC COMPANY
CAPACITY COSTS
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2013 THROUGH DECEMBER 2013

SCHEDULE E12

CAPACITY	ACT JANUARY ($)	ACT FEBRUARY ($)	ACT MARCH ($)	ACT APRIL ($)	ACT MAY ($)	ACT JUNE ($)	EST JULY ($)	EST AUGUST ($)	EST SEPTEMBER ($)	EST OCTOBER ($)	EST NOVEMBER ($)	EST DECEMBER ($)	TOTAL ($)
HARDEE POWER PARTNERS													
CALPINE - D													
OLEANDER - D													
PASCO COGEN LTD - D													
FLORIDA POWER & LIGHT-EMERG A													
ORLANDO UTILITIES													
FLORIDA POWER & LIGHT													
PROGRESS ENERGY FLORIDA													
THE ENERGY AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
PROGRESS ENERGY FLORIDA - CB													
FLORIDA POWER & LIGHT - CB													
ORLANDO UTILITIES - CB													
REEDY CREEK - CB													
SEMINOLE ELECTRIC - CB													
THE ENERGY AUTHORITY - CB													
VARIOUS - MA													
CITY OF LAKELAND - MA													
EXGEN (CONSTELLATION) - MA													
THE ENERGY AUTHORITY - MA													
J P MORGAN VENTURES - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
CITY OF HOMESTEAD - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	$ 1,398,124	$ 1,373,336	$ 1,267,179	$ 1,192,802	$ 1,847,026	$ 1,457,180	$ 1,371,350	$ 1,371,350	$ 1,371,350	$ 1,371,350	$ 1,371,350	$ 1,371,352	$ 16,763,749
TOTAL CAPACITY	$ 2,513,394	$ 2,488,606	$ 2,382,449	$ 2,308,072	$ 2,962,296	$ 2,572,450	$ 2,486,620	$ 2,486,620	$ 2,486,620	$ 2,486,620	$ 2,486,620	$ 2,486,622	$ 30,146,989

Docket No. 130001-EI
Exhibit No. ____ (PAR-2)
Document No. 2, Page 5 of 5

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 3

POLK UNIT 1 IGNITION OIL CONVERSION

ACTUAL/ESTIMATED

JANUARY 2013 - DECEMBER 2013

POLK 1 CONVERSION
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY, 2013 THROUGH JUNE, 2013

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
1	BEGINNING BALANCE						$ -	$ -
2	ADD INVESTMENT						15,428,062	15,428,062
3	LESS RETIREMENTS						-	-
4	ENDING BALANCE						15,428,062	15,428,062
5								
6								
7	AVERAGE BALANCE						-	
8	DEPRECIATION RATE						1.666667%	
9	DEPRECIATION EXPENSE						-	-
10	LESS RETIREMENTS						-	-
11	BEGINNING BALANCE DEPRECIATION						-	-
12	ENDING BALANCE DEPRECIATION						-	-
13								
14								
15	ENDING NET INVESTMENT						15,428,062	$ 15,428,062
16								
17								
18	AVERAGE INVESTMENT						$ 7,714,031	
19	ALLOWED EQUITY RETURN						.44625%	
20	EQUITY COMPONENT AFTER-TAX						34,424	34,424
21	CONVERSION TO PRE-TAX						1.62800	
22	EQUITY COMPONENT PRE-TAX						56,042	56,042
23								
24	ALLOWED DEBT RETURN						.24437%	
25	DEBT COMPONENT						18,851	18,851
26								
27	TOTAL RETURN REQUIREMENTS						74,893	74,893
28								
29	TOTAL DEPRECIATION & RETURN						74,893	$ 74,893
30								
31	ESTIMATED FUEL SAVINGS						5,993,236	$ 5,993,236
32	TOTAL DEPRECIATION & RETURN						74,893	$ 74,893
33	NET BENEFIT (COST) TO RATEPAYER						5,918,343	$ 5,918,343
34								

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 10.63% (EQUITY 7.8693% , DEBT 2.7582%).
THE RATES ARE FROM THE MAY 2012 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012)
37 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%

Computation of Savings	MARCH	APRIL	MAY	JUNE	Total
A4,clmn m,#2 oil				$0.33320	
A4,clmn m,NG				$0.03526	
#2 Oil less NG				$0.29794	
Gen. Cost Anal. Rept - Generation kWh				19,508,000	
Oil conversion Savings (@ PK 1 CT)				**$5,812,168**	
Cost of propane $/mmbtu				$12.95	
Cost of NG $/mmbtu (A4 Polk)				$4.85	
NG mmbtu's propane equivalent burned				7,324	
Propane conversion savings				**$59,301**	
Cost of oil $/mmbtu				$25.56	
Cost of NG $/mmbtu (A4 Polk)				$4.85	
NG mmbtu's oil equivalent burned				5,881	
Oil conversion savings (Auxiliary Fuel)				**$121,767**	
Total Fuel Savings				**$5,993,236**	**$5,993,236**

POLK 1 CONVERSION
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JULY, 2013 THROUGH DECEMBER, 2013

		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	BEGINNING BALANCE	$ 15,428,062	$ 15,428,062	$ 15,428,062	$ 15,428,062	$ 15,428,062	$ 15,428,062	$ 15,428,062
2	ADD INVESTMENT	-	-	-	-	-	-	-
3	LESS RETIREMENTS	-	-	-	-	-	-	-
4	ENDING BALANCE	15,428,062	15,428,062	15,428,062	15,428,062	15,428,062	15,428,062	15,428,062
5								
6								
7	AVERAGE BALANCE	15,428,062	15,428,062	15,428,062	15,428,062	15,428,062	15,428,062	
8	DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	
9	DEPRECIATION EXPENSE	257,134	257,134	257,134	257,134	257,134	257,134	1,542,806
10	LESS RETIREMENTS	-	-	-	-	-	-	-
11	BEGINNING BALANCE DEPRECIATION	-	257,134	514,269	771,403	1,028,537	1,285,672	-
12	ENDING BALANCE DEPRECIATION	257,134	514,269	771,403	1,028,537	1,285,672	1,542,806	1,542,806
13								
14								
15	ENDING NET INVESTMENT	15,170,927	14,913,793	14,656,659	14,399,524	14,142,390	13,885,256	13,885,256
16								
17								
18	AVERAGE INVESTMENT	$ 15,299,494	$ 15,042,360	$ 14,785,226	$ 14,528,091	$ 14,270,957	$ 14,013,823	
19	ALLOWED EQUITY RETURN	.40183%	.40183%	.40183%	.40183%	.40183%	.40183%	
20	EQUITY COMPONENT AFTER-TAX	61,477	60,444	59,411	58,378	57,344	56,311	353,365
21	CONVERSION TO PRE-TAX	1.62800	1.62800	1.62800	1.62800	1.62800	1.62800	
22	EQUITY COMPONENT PRE-TAX	100,085	98,403	96,721	95,039	93,356	91,674	575,278
23								
24	ALLOWED DEBT RETURN	.18568%	.18568%	.18568%	.18568%	.18568%	.18568%	
25	DEBT COMPONENT	28,407	27,930	27,452	26,975	26,498	26,020	163,282
26								
27	TOTAL RETURN REQUIREMENTS	128,492	126,333	124,173	122,014	119,854	117,694	738,560
28								
29	TOTAL DEPRECIATION & RETURN	385,626	383,467	381,307	379,148	376,988	374,828	2,281,366
31	ESTIMATED FUEL SAVINGS	$968,507	$966,604	$869,203	$1,594,632	$652,549	$865,196	$5,916,691
32	TOTAL DEPRECIATION & RETURN	$385,626	$383,467	$381,307	$379,148	$376,988	$374,828	$2,281,366
33	NET BENEFIT (COST) TO RATEPAYER	$582,881	$583,137	$487,895	$1,215,484	$275,560	$490,367	$3,635,325
34								

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
36 RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 10.08% (EQUITY 7.8501% , DEBT 2.2281%).
THE RATES ARE FROM THE MAY 2013 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012)
37 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%

Computation of Savings	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total
A4,clmn m,#2 oil	$0.33320	$0.33320	$0.33320	$0.33320	$0.33320	$0.33320	
A4,clmn m,NG	$0.04750	$0.04890	$0.05190	$0.05490	$0.06130	$0.05410	
#2 Oil less NG	$0.28570	$0.28430	$0.28130	$0.27830	$0.27190	$0.27910	
Gen. Cost Anal. Rept - Generation kWh	3,390,000	3,400,000	3,090,000	5,730,000	2,400,000	3,100,000	
Oil conversion Savings (@ CT)	**$968,507**	**$966,604**	**$869,203**	**$1,594,632**	**$652,549**	**$865,196**	
Cost of propane $/mmbtu	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Cost of NG $/mmbtu (A4 Polk)	$6.35	$0.00	$0.00	$0.00	$0.00	$0.00	
NG mmbtu's propane equivalent burned	-	-	-	-	-	-	
Propane conversion savings	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	
Cost of oil $/mmbtu	$22.07	$0.00	$0.00	$0.00	$0.00	$0.00	
Cost of NG $/mmbtu (A4 Polk)	$6.35	$0.00	$0.00	$0.00	$0.00	$0.00	
NG mmbtu's oil equivalent burned	-	-	-	-	-	-	
Oil conversion savings (Aux Boiler)	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	
Total Fuel Savings	**$968,507**	**$966,604**	**$869,203**	**$1,594,632**	**$652,549**	**$865,196**	**$5,916,691**

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 130001-EI

IN RE: TAMPA ELECTRIC'S

FUEL & PURCHASED POWER COST RECOVERY

AND CAPACITY COST RECOVERY

FUEL PROCUREMENT AND WHOLESALE POWER PURCHASES RISK MANAGEMENT PLAN

JANUARY 2014 THROUGH DECEMBER 2014

TESTIMONY AND EXHIBIT

OF

J. BRENT CALDWELL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

J. BRENT CALDWELL

Q. Please state your name, business address, occupation and employer.

A. My name is J. Brent Caldwell. My business address is 702 North Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") as Director of Origination & Market Services.

Q. Please provide a brief outline of your educational background and business experience.

A. I received a Bachelor Degree in Electrical Engineering from Georgia Institute of Technology in 1985 and a Master of Science degree in Electrical Engineering in 1988 from the University of South Florida. I have over 15 years of utility experience with an emphasis in state and federal regulatory matters, natural gas procurement and transportation, fuel logistics and cost reporting, and business systems analysis. In October

2010, I assumed responsibility for long term fuel supply planning and procurement for Tampa Electric's generation plants.

Q. Are you the same J. Brent Caldwell who previously filed direct testimony on behalf of Tampa Electric Company in this docket?

A. Yes, I am.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to sponsor and describe Exhibit No. ____ (JBC-2), entitled Tampa Electric Company's Fuel Procurement and Wholesale Power Purchases Risk Management Plan 2014.

Q. Was this exhibit prepared by you or under your direction and supervision?

A. Yes, it was.

Q. Please describe this Exhibit.

A. My Exhibit, No. ____ (JBC-2) sets forth all of the

various details of Tampa Electric's overall plan for mitigating risk in the company's procurement of generation fuel and purchased power during 2014.

Q. Does this conclude your testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY
FUEL PROCUREMENT AND WHOLESALE POWER PURCHASES
RISK MANAGEMENT PLAN
2014

Introduction

Tampa Electric serves its retail customers' electricity needs through a portfolio of generation and wholesale purchases. Tampa Electric's generation fuel mix is primarily a blend of coal and natural gas. While fuel mix diversity enhances long-term reliability, the reliance on natural gas can potentially increase variation in fuel prices. The company's risk management activities reduce the impact of price uncertainty and volatility to the Fuel and Purchased Power Cost Recovery Clause.

I. Qualitative and Quantitative Risk Management Objectives

A. Qualitative objectives

Tampa Electric's goals in managing risks associated with fuel or power purchases are focused on minimizing supply risk to ensure reliability of electric service to its customers at a reasonable price. To the extent price risk can be reduced without compromising supply reliability or imposing unnecessary costs on customers, Tampa Electric is committed to executing strategies to accomplish its risk management goals.

B. Quantitative objectives

Tampa Electric's quantitative objective is to prudently manage its fuel and wholesale energy procurement activities to minimize the variance from projected expenditures while taking advantage of cost-saving opportunities that do not result in increased supply risk. Tampa Electric has established a portfolio of fuel and purchased power products with creditworthy counterparties for known volumes and prices.

II. Oversight & Reporting of Fuel Procurement Activities

The company provides fuel and wholesale energy procurement activities with independent and unavoidable oversight.

A. The TECO Energy Board of Directors established an Energy Risk Management Policy ("Risk Policy"). This policy governs all energy commodities transacting activities at each of TECO Energy's operating units. The scope of this policy includes:

- Roles and responsibilities of various persons and functions with respect to risk management
- Authorized transacting activity
- Risk limits
- Valuation and data management
- Credit risk management
- Reporting
- Compliance and enforcement

B. The Risk Policy established the Risk Advisory Committee ("RAC"). The responsibilities of the RAC include the following activities:

- Reviewing the Risk Management Policy periodically and recommending changes and enhancements for approval by the Board of Directors ("Board").
- Reviewing corporate risk limits for recommendation to the Board.
- Establishing the quantitative limits for operating companies within Board approved corporate risk limits. The RAC may, at its discretion, delegate approval of sub-limits to operating company management.
- Approving parameters for counterparty credit limits and the allocation of limits among the operating companies.
- Establishing guidelines for risk management and measurement.
- Overseeing and reviewing the risk management process and infrastructure.
- Reviewing and approving transacting strategies proposed by the operating companies.
- Understanding and approving methodologies used for valuation and risk measurement.
- Reviewing and approving corporate and operating company risk limits.
- Establishing credit underwriting standards, and monitoring credit risk-taking activities and related exposures.
- Reviewing risk reports, including portfolio risk summaries and profitability and performance summaries.
- Enacting, maintaining, and enforcing limit violation and trader misconduct policies.
- Taking appropriate courses of action when the risk position of a transacting group has exceeded or is approaching the established limits.
- Reviewing and approving new risk management products.
- Presenting periodic reports to the Board or its committees.

C. TECO Energy established a corporate risk management function ("middle office"), which is overseen by the Director of Independent Risk Oversight.

D. Tampa Electric established additional oversight or control mechanisms to ensure compliance with policies and procedures. The following practices

provide checks and balances on fuel and purchased power procurement activities.

- Fuel and wholesale energy procurement activities are conducted in accordance with company guidelines, including review by the operating stations and other management.
- All agreements are formalized in a written contract that is reviewed by legal counsel.
- The contracts are reviewed by the Director, Independent Risk Oversight of TECO Energy's Energy Risk Management Department for potential credit risks and incorporation of appropriate credit protection.
- The company maintains approval authority restrictions based on term and value of the transaction.
- Payments of invoices under each contract are settled and approved by an independent department.
- Each transaction is eligible for review by outside, internal and regulatory auditors.
- Information systems provide transaction authority control, credit monitoring, mark-to-market and value-at-risk analysis and other key controls.

E. In accordance with the Risk Policy, Tampa Electric established commodity specific transaction limits for commodity transactions.

- The Risk Authorizing Committee reviews and approves commodity transaction limits on an individual basis.
- The limits include commodity, physical or financial, tenor (time limit), and dollar amount.
- Only a few individuals are authorized to execute financial hedging transactions.

F. Tampa Electric's Fuels Management Department has updated and formalized its policies and procedures. The key elements of its policies and procedures are:

- Financial hedging of fuel commodities are for mitigation of risk to fuel price uncertainty and volatility.
- Hedging will be conducted in a manner consistent with the Risk Management Plan approved by the RAC.
- Execution of hedges under the Risk Management Plan will be consistent with approved transaction limits for authorized transactors.
- Duties will be separated to assure sufficient control over hedging transactions.
- Hedging activity will be monitored regularly and reported at least once a month to insure consistency with the Risk Management Plan.

G. Reports are generated that summarize the fuel procurement activities of the company. These include monthly financial reports produced by Regulatory Accounting, FERC Electric Quarterly Reports, FERC Form 1,

FERC Form 580, FERC Form 923, FERC Form 552, FPSC Form 423, FPSC A schedules and FPSC E schedules. In addition, position and mark-to-market reports are produced and reviewed by the Director of Independent Risk Oversight. The appropriate entries and related disclosures are made in the company's books and records as required by accounting standards.

III. Risk Assessment

In its Risk Policy, TECO Energy has identified the following types of risks for its commodity portfolio.

A. Market Risk

Market risk is the potential change in value of a commodity contract caused by adverse changes in market factors (price and volatility). The following are types of market risk.

1. **Price Risk:** Price risk refers to the uncertainty associated with changes in the price of an underlying asset. For instance, if a company has a short position in the market (e.g., needs to meet load requirements by purchasing electricity or natural gas), it will be susceptible to price increases. Conversely, if a company is in a long position (e.g., excess generation or natural gas supply), it is exposed to decreases in market prices. Tampa Electric manages its price risk using physical and financial hedges.

   In 2014, Tampa Electric is subject to limited price risk related to variation in coal prices. That price risk is mitigated in part because the company has already contracted for much of its expected coal needs at known prices. Expected market conditions do not currently require further price risk mitigation, for the reasons described in Section IV of this plan.

   Tampa Electric evaluated its exposure to changes in the price for natural gas during 2014 based on the forward price and estimated uncertainty in the price of natural gas and the company's expected usage under both low and high price natural gas cases. Natural gas expenditures decrease in the low case by an estimated $40.0 million and total fuel and purchased power costs decrease by $68.5 million due to lower prices. In the high case, natural gas expenditures increase by an estimated $75.2 million, and the total fuel and purchased power costs increase by $52.6 million. This exposure estimate does not take into account any hedges the company may implement to limit its exposure. Tampa Electric's

hedging strategy with respect to natural gas and purchased power is outlined in Section IV of this plan.

Tampa Electric requires small quantities of fuel oil and maintains a contract that eliminates its supply risk. Due to the small quantities of fuel oil needed for generation, the cost impact caused by price risk is minimal and is therefore not quantified.

2. **Time Spread Risk:** This is the risk that the relationship between two points (i.e., one month versus six months) on the forward curve changes. Because the shape of the fuel or electricity forward curve changes to reflect the market's expectations of spot and future fuel or electricity prices, the relationship between any two points on the curve is not always constant. Because of the nature of its business Tampa Electric has little reason or opportunity to offset energy commodity requirements in one month with resources delivered in another month. Therefore, time spread risk is not a significant issue for Tampa Electric.

3. **Liquidity Risk:** Liquidity risk is associated with the lack of marketability of a commodity. It includes the risk of an adverse cost or return variation stemming from the lack of marketability of a financial instrument. Liquidity risk may arise because a given position is very large relative to typical trading volumes of like commodity and contract tenor, or because market conditions are unsettled. Liquidity risk is usually reflected in a wide bid-ask spread and large price movements in response to any attempt to buy or sell. A firm facing the need to quickly unwind a portfolio of illiquid instruments may find it necessary to sell at prices far below fair value. Tampa Electric is not exposed to liquidity risk for natural gas financial instruments since the company does not purchase instruments for resale. Tampa Electric does have some liquidity risk for wholesale power transactions since the Florida market has a limited number of participants.

4. **Basis Risk:** Basis risk is the risk exposure due to a difference in commodity value between different delivery points. Electricity markets are regional. Prices can be different at different locations because of differences in both supply costs and the cost of transmission between the two locations. These price differences are dynamic, primarily due to changes in transmission availability between the two locations. Due to the stability of the coal market, Tampa Electric's negligible use of oil, and the indexing of its natural gas contract pricing, basis risk is not a significant issue for the company.

Fundamentally, market risk is created by the existence of "open"

positions. An open position is the difference between an existing requirement and the ability to meet that requirement with existing resources.

B. Volume Risk

Volume risk is the potential adverse economic impact of unanticipated changes in supply or demand. Tampa Electric faces supply risk, because there is uncertainty associated with the availability of generating units or fuel availability for those units. If a generating unit fails, Tampa Electric must replace the power with another unit's generation or with purchased power at market prices. Tampa Electric also faces demand risk since there is uncertainty associated with customer demand, and thus uncertainty in the determination of the fuel or energy purchase volumes necessary to supply such demand. Tampa Electric's volume risk for fuel and purchased power in 2014 will be managed operationally and through contract terms enforcement, including appropriate legal remedies, should a party default.

C. Credit Risk

Credit risk is the risk of financial loss due to a counterparty's failure to fulfill the terms of a contract on a timely basis. It includes both settlement risk associated with payment for fuel or energy received, as well as the potential risk that the counterparty defaults on an obligation to provide or receive fuel or energy. Credit risk depends on the probability of counterparty default, the concentration of credit exposure with a small number of counterparties, the total amount of exposure, and the volatility of markets. Tampa Electric's credit risk will vary based on the number of its trading counterparties and the mark-to-market value of its hedge transactions. Tampa Electric's existing credit risk is minimal since it uses a wide variety of counterparties, and has systems and processes in place to monitor and control credit risk.

D. Administrative Risk

Administrative risk is risk of loss associated with deficiencies in a company's internal control structure and management reporting due to human error, fraud or a system's inability to adequately capture, store and report transactions. The company has consistently maintained appropriate administrative controls for entering and administration of commodity transactions.

IV. Risk Management Strategy and Current Hedging Activity

Tampa Electric's risk management strategy is designed to limit exposure to different types of risk that are applicable to the company's operation.

A. Market Risk

Tampa Electric's potential market risk is the result of open positions in four commodities:

- Coal
- Natural Gas
- Fuel Oil
- Purchased Power

System energy requirements during 2014 are projected to be served in the proportions shown in the following table.

Commodity	Percent of System Energy
Coal	59
Natural Gas	37
No. 2 Oil	0
No. 6 Oil	0
Purchased Power	4

Based on Tampa Electric's assessment of market risk factors, the company has implemented the market risk management strategies described below.

1. **Coal:** Tampa Electric has contracted for much of its expected coal needs for 2014 through bilateral agreements with coal producers. The company will provide the projected amounts in both tons and dollars in its 2014 projection filing to be submitted August 30, 2013. Coal market pricing has retreated from record high levels in 2008. In 2013, coal prices have been relatively stable, and prices are expected to remain stable in 2014. Tampa Electric has secured a portion of its coal needs for 2014, reducing exposure to price volatility and mitigating coal volume risk. Tampa Electric's contracts with suppliers also incorporate legal remedies in the event of default, which address volume risk.

2. **Fuel Oil:** In 2014, Tampa Electric will continue to purchase its fuel oil needs at indexed market prices. Oil represents less than one percent of the company's needs on a GWH basis, and therefore, associated price impact from risk is minimal. Tampa Electric maintains a contract with a local supplier to deliver all of its needs, which mitigates supply risk.

3. **Natural Gas:** Tampa Electric continues to implement prudent financial hedging strategies for natural gas requirements. In 2013, the company used swap agreements—the exchange of a payment tied to the value of a natural gas index for a fixed payment—to hedge natural gas. In keeping with the company's approved risk management plan, Tampa Electric plans to hedge a significant percentage of its projected natural gas usage in 2014.

Tampa Electric uses the forward pricing information of the New York Mercantile Exchange ("NYMEX") natural gas forward price curve in developing natural gas price hedging strategy. Tampa Electric also subscribes to industry publications that provide information about underlying issues affecting the availability and price of natural gas and other commodities. The purpose of Tampa Electric's natural gas hedge plan is to reduce natural gas price volatility by utilizing financial instruments relying on three key variables: price, volume and time.

Tampa Electric projects prices during the company's annual fuel budgeting process. The volume of natural gas that the company will hedge falls between a minimum and a maximum percentage of the expected natural gas burn. The percentages vary according to the time remaining until the contract month.

Tampa Electric's approved Risk Management Plan describes the following key elements of the company's natural gas hedging strategy: (1) natural gas prices can be hedged up to 24 months into the future; (2) nearer months can be hedged for a greater percentage of the expected volume than outer months; and (3) natural gas options can be used for financial hedging.

Currently, Tampa Electric estimates about [redacted] percent of its total 2013 natural gas purchases will be covered by financial hedges. The net effect of these hedges is estimated to be a [redacted] of approximately [redacted] For 2014, Tampa Electric has approximately [redacted] percent hedged with a currently estimated [redacted] of [redacted].

4. **Purchased Power:** Total forecasted purchased power for 2014 is 713 GWH. As of July 2013, Tampa Electric has physically hedged 328 GWH's of its 2014 expected purchased power needs through pre-scheduled purchased power agreements. The remaining GWH's of 2014 forecasted wholesale energy purchases will be purchased from as-available cogenerators or on the short-term, non-firm market for economy purposes, which are not hedged.

The company's purchased power contracts include a fuel component; therefore, Tampa Electric has exposure to fuel price risk for its wholesale energy purchases, particularly for purchased power supplied from natural gas-fired generation. Tampa Electric does not currently hedge wholesale energy transactions with financial instruments due to the lack of a liquid, published wholesale energy market and appropriate available instruments.

Tampa Electric is responsible for natural gas fuel delivery on two purchase contracts for peaking power. Although this contract volume is not currently included in the company's hedging portfolio, Tampa Electric continually assesses whether it should be added.

In summary, Tampa Electric's planned operations in 2014 result in nominal market risk associated with coal and fuel oil. Non-price risks associated with natural gas and purchased power are also minimal. Therefore, while the company continues to evaluate risk for all fuel and energy commodity transactions, it is currently focused on mitigating the price risk associated with natural gas and purchased power.

5. **Volume Risk:** Hedging of volumetric risk is problematic due to a limited number of viable financial hedging instruments. Tampa Electric has identified the following hedges.
   - Maintaining appropriate inventory stockpiles provides a physical hedge against volume risk.
   - "Swing" contracts enable the buyer to take variable volumes up to a predefined limit.
   - Full requirement contracts enable the buyer to take any volume up to total usage.

   Tampa Electric uses inventory swing contracts and full requirements contracts where needed commodity volumes are small and in situations where commodity volumes are unpredictable in volume and/or timing. Other alternatives will continue to be identified, assessed and implemented as necessary.

6. **Credit Risk:** TECO Energy's credit risk management process is composed of the following primary steps.
   - Gather counterparty information for initial evaluation.
   - Assess counterparty creditworthiness and assign credit limit.
   - Determine credit collateral requirements, as needed.
   - Request, review and monitor contractual requirements, legal covenants, collateral documents and credit provisions.
   - Quantify counterparty exposure and measure against approved limits.
   - Monitor counterparty and credit support provider qualities.

- Prepare credit exposure reports on a daily basis that are reviewed prior to entering into transactions.

7. **Administrative Risk:** Tampa Electric maintains energy trading risk management systems and processes to efficiently track, monitor and evaluate hedging activities. Tampa Electric's administrative processes and system controls have passed repeated internal and external (Sarbanes-Oxley) audits.