

AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

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

January 25, 2019

ELECTRONIC FILING

Mr. Adam J. Teitzman, Commission Clerk
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. 20190001-EI

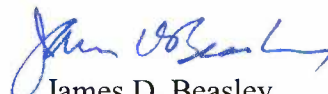
Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's Schedules A1 - A9
& A12 for the month of December 2018 as well as the following revised pages:

Schedule A3	November 2018	2 Pages
Schedule A4	November 2018	2 Pages
Schedule A3	October 2018	2 Pages
Schedule A4	October 2018	2 Pages
Schedule A4	September 2018	2 Pages

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/ne

Attachment

cc: All Parties of Record (w/attachment)
Michael Barrett (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of January, 2019 to the following:

Ms. Suzanne Brownless
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us

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

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

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

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

Holly Henderson
Senior Manager Regulatory Affairs
Gulf Power Company
215 South Monroe Street, Suite 618
Tallahassee FL 32301
holly.henderson@nexteraenergy.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 S. Monroe St., Suite 601
Tallahassee, FL 32301
bkeating@gunster.com

Maria Moncada
Senior Attorney
Mr. Joel T. Baker
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
maria.moncada@fpl.com
joel.baker@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola FL 32520
russell.badders@nexteraenergy.com

Mr. Robert Scheffel Wright
Mr. John T. LaVia, III
Gardner, Bist, Wiener, Wadsworth,
Bowden, Bush, Dee, LaVia & Wright, P.A.
1300 Thomaswood Drive
Tallahassee, FL 32308
Schef@gbwlegal.com
Jlavia@gbwlegal.com

Mr. Steven R. Griffin
Beggs & Lane
P.O. Box 12950
Pensacola FL 32591
srg@beggslane.com

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



ATTORNEY



TAMPA ELECTRIC COMPANY
TABLE OF CONTENTS

1. Schedule A1 - A9 & A12	December 2018	16 Pages
2. List of Acronyms		1 Page
3. Schedule A3 Revised	November 2018	2 Pages
4. Schedule A4 Revised	November 2018	2 Pages
5. Schedule A3 Revised	October 2018	2 Pages
6. Schedule A4 Revised	October 2018	2 Pages
7. Schedule A4 Revised	September 2018	2 Pages

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	58,547,213	45,007,983	13,539,230	30.1%	1,455,938	1,500,700	(44,762)	-3.0%	4.02127	2.99913	1.02214	34.1%
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
3. Coal Car Investment	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4a. Adjustments - Big Bend Units 1-4 Igniters Conversion Project	386,031	392,424	(6,393)	-1.6%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	58,933,244	45,400,407	13,532,837	29.8%	1,455,938	1,500,700	(44,762)	-3.0%	4.04779	3.02528	1.02250	33.8%
6. Fuel Cost of Purchased Power - Firm (A7)	154,188	137,590	16,598	12.1%	2,866	3,190	(324)	-10.2%	5.37990	4.31317	1.06674	24.7%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	113,100	710,560	(597,460)	-84.1%	2,180	27,380	(25,200)	-92.0%	5.18807	2.59518	2.59289	99.9%
8. Energy Cost of Other Econ. Purch. (Non-Broker) (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
11. Payments to Qualifying Facilities & Net Metering (A8)	791,694	189,800	601,894	317.1%	27,850	7,570	20,280	267.9%	2.84271	2.50727	0.33544	13.4%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	1,058,982	1,037,950	21,032	2.0%	32,896	38,140	(5,244)	-13.7%	3.21918	2.72142	0.49776	18.3%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,488,834	1,538,840	(50,006)	-3.2%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	104,178	14,820	89,358	603.0%	3,970	590	3,380	572.9%	2.62413	2.51186	0.11227	4.5%
15. Fuel Cost of Sch. C/CB Sales (A6)	11,616	0	11,616	0.0%	468	0	468	0.0%	2.48205	0.00000	2.48205	0.0%
16. Fuel Cost of OATT Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
17. Fuel Cost of Market Base Sales (A6)	223,282	29,261	194,021	663.1%	7,734	1,170	6,564	561.0%	2.88702	2.50094	0.38608	15.4%
18. Gains on Sales	83,341	3,937	79,404	2016.9%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	422,417	48,018	374,399	779.7%	12,172	1,760	10,412	591.6%	3.47040	2.72830	0.74210	27.2%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					137	0	137	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					952	0	952	0.0%				
22. Interchange and Wheeling Losses					1,235	(43)	1,278	-2971.8%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	59,569,809	46,390,339	13,179,470	28.4%	1,476,516	1,537,123	(60,607)	-3.9%	4.03448	3.01800	1.01649	33.7%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	680,618 (a)	1,779,623 (a)	(1,099,005)	-61.8%	16,870	58,967	(42,097)	-71.4%	4.03449	3.01800	1.01649	33.7%
25. Company Use	117,605 (a)	87,522 (a)	30,083	34.4%	2,915	2,900	15	0.5%	4.03448	3.01800	1.01648	33.7%
26. T & D Losses	1,637,073 (a)	1,202,582 (a)	434,491	36.1%	40,577	39,847	730	1.8%	4.03449	3.01800	1.01649	33.7%
27. System KWH Sales	59,569,809	46,390,339	13,179,470	28.4%	1,416,154	1,435,409	(19,255)	-1.3%	4.20645	3.23186	0.97459	30.2%
28. Wholesale KWH Sales	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
29. Jurisdictional KWH Sales	59,569,809	46,390,339	13,179,470	28.4%	1,416,154	1,435,409	(19,255)	-1.3%	4.20645	3.23186	0.97459	30.2%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	59,569,809	46,390,339	13,179,470	28.4%	1,416,154	1,435,409	(19,255)	-1.3%	4.20645	3.23186	0.97459	30.2%
32. Adjustment - Jan thru Apr 2018 Adj for Big Bend and Polk Assets Due to Tax Reform Including Interest	0	0	0	0.0%	1,416,154	1,435,409	(19,255)	-1.3%	0.00000	0.00000	0.00000	0.0%
33. True-up *	(1,423,429)	(1,423,429)	0	0.0%	1,416,154	1,435,409	(19,255)	-1.3%	(0.10051)	(0.09917)	(0.00135)	1.4%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	58,146,380	44,966,910	13,179,470	29.3%	1,416,154	1,435,409	(19,255)	-1.3%	4.10594	3.13269	0.97325	31.1%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	58,188,245	44,999,286	13,188,959	29.3%	1,416,154	1,435,409	(19,255)	-1.3%	4.10889	3.13495	0.97394	31.1%
37. GPIF * (Already Adjusted for Taxes)	3,953	3,953	0	0.0%	1,416,154	1,435,409	(19,255)	-1.3%	0.00028	0.00028	0.00000	1.4%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	58,192,198	45,003,239	13,188,959	29.3%	1,416,154	1,435,409	(19,255)	-1.3%	4.10917	3.13523	0.97394	31.1%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									4.109	3.135	0.974	31.1%

* Based on Jurisdictional Sales (a) included for informational purposes only

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
PERIOD TO DATE THROUGH: December 2018

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	631,710,782	606,993,585	24,717,197	4.1%	19,748,460	20,067,160	(318,700)	-1.6%	3.19879	3.02481	0.17397	5.8%
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
3. Coal Car Investment	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4a. Adjustments - Big Bend Units 1-4 Igniters Conversion Project	4,816,753	4,877,765	(61,012)	-1.3%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4b. Adjustments - Polk 1 Conversion Depreciation & ROI	1,650,329	1,650,886	(557)	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4c. Adjustments	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
5. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	638,177,864	613,522,236	24,655,628	4.0%	19,748,460	20,067,160	(318,700)	-1.6%	3.23153	3.05734	0.17419	5.7%
6. Fuel Cost of Purchased Power - Firm (A7)	4,834,769	2,681,380	2,153,389	80.3%	96,543	67,450	29,093	43.1%	5.00789	3.97536	1.03253	26.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	35,800,487	9,706,470	26,094,017	268.8%	931,538	313,280	618,258	197.3%	3.84316	3.09834	0.74482	24.0%
8. Energy Cost of Other Econ. Purch. (Non-Broker) (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
11. Payments to Qualifying Facilities & Net Metering (A8)	4,835,472	2,579,410	2,256,062	87.5%	194,359	90,110	104,249	115.7%	2.48791	2.86251	(0.37461)	-13.1%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	45,470,728	14,967,260	30,503,468	203.8%	1,222,440	470,840	751,600	159.6%	3.71967	3.17884	0.54083	17.0%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					20,970,900	20,538,000	432,900	2.1%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	655,905	270,150	385,755	142.8%	28,413	10,340	18,073	174.8%	2.30847	2.61267	(0.30420)	-11.6%
15. Fuel Cost of Sch. C/CB Sales (A6)	118,326	0	118,326	0.0%	6,384	0	6,384	0.0%	1.85348	0.00000	1.85348	0.0%
16. Fuel Cost of OATT Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
17. Fuel Cost of Market Base Sales (A6)	6,583,288	361,826	6,221,462	1719.5%	251,357	11,990	239,367	1996.4%	2.61910	3.01773	(0.39863)	-13.2%
18. Gains on Sales	2,607,475	54,591	2,552,884	4676.4%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	9,964,994	686,567	9,278,427	1351.4%	286,154	22,330	263,824	1181.5%	3.48239	3.07464	0.40775	13.3%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					(16)	0	(16)	0.0%				
21. Wheeling Rec'd. less Wheeling Del'v'd.					44,331	0	44,331	0.0%				
22. Interchange and Wheeling Losses					50,357	(598)	50,955	-8522.9%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	673,683,598	627,802,929	45,880,669	7.3%	20,678,704	20,516,268	162,436	0.8%	3.25786	3.06003	0.19784	6.5%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	(767,327) (a)	139,715 (a)	(907,042)	-649.2%	(17,446)	13,963	(31,409)	-224.9%	4.39830	1.00061	3.39769	339.6%
25. Company Use	1,270,723 (a)	1,070,539 (a)	200,184	18.7%	38,863	34,800	4,063	11.7%	3.26975	3.07626	0.19349	6.3%
26. T & D Losses	33,158,832 (a)	28,151,540 (a)	5,007,292	17.8%	1,025,823	923,386	102,437	11.1%	3.23241	3.04873	0.18368	6.0%
27. System KWH Sales	673,683,598	627,802,929	45,880,669	7.3%	19,631,464	19,544,119	87,345	0.4%	3.43165	3.21223	0.21942	6.8%
28. Wholesale KWH Sales	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
29. Jurisdictional KWH Sales	673,683,598	627,802,929	45,880,669	7.3%	19,631,464	19,544,119	87,345	0.4%	3.43165	3.21223	0.21942	6.8%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	673,683,598	627,802,929	45,880,669	7.3%	19,631,464	19,544,119	87,345	0.4%	3.43165	3.21223	0.21942	6.8%
32. Adjustments - Schedule A2, page 2, lines 6c, 7a and 8b	147,348	0	147,348	0.0%	19,631,464	19,544,119	87,345	0.4%	0.00075	0.00000	0.00075	0.0%
33. True-up *	(17,081,137)	(17,081,137)	0	0.0%	19,631,464	19,544,119	87,345	0.4%	(0.08701)	(0.08740)	0.00039	-0.4%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	656,749,809	610,721,792	46,028,017	7.5%	19,631,464	19,544,119	87,345	0.4%	3.34539	3.12484	0.22056	7.1%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	657,222,668	611,161,511	46,061,157	7.5%	19,631,464	19,544,119	87,345	0.4%	3.34780	3.12709	0.22071	7.1%
37. GPIF * (Already Adjusted for Taxes)	47,392	47,392	0	0.0%	19,631,464	19,544,119	87,345	0.4%	0.00024	0.00024	(0.00000)	-0.4%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	657,270,060	611,208,903	46,061,157	7.5%	19,631,464	19,544,119	87,345	0.4%	3.34804	3.12733	0.22071	7.1%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.348	3.127	0.221	7.1%

* Based on Jurisdictional Sales (a) included for informational purposes only

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	58,547,213	45,007,983	13,539,230	30.1%	631,710,782	606,993,585	24,717,197	4.1%
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0%	0	0	0	0.0%
2. FUEL COST OF POWER SOLD	339,076	44,081	294,995	669.2%	7,357,519	631,976	6,725,543	1064.2%
2a. GAINS FROM SALES	83,341	3,937	79,404	2016.9%	2,607,475	54,591	2,552,884	4676.4%
3. FUEL COST OF PURCHASED POWER	154,188	137,590	16,598	12.1%	4,834,769	2,681,380	2,153,389	80.3%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	791,694	189,800	601,894	317.1%	4,835,472	2,579,410	2,256,062	87.5%
4. ENERGY COST OF ECONOMY PURCHASES	113,100	710,560	(597,460)	-84.1%	35,800,487	9,706,470	26,094,017	268.8%
5. TOTAL FUEL & NET POWER TRANSACTION	59,183,778	45,997,915	13,185,863	28.7%	667,216,516	621,274,278	45,942,238	7.4%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	386,031	392,424	(6,393)	-1.6%	4,816,753	4,877,765	(61,012)	-1.3%
6b. ADJ. - POLK 1 CONVERSION DEPRECIATION & ROI	0	0	0	0.0%	1,650,329	1,650,886	(557)	0.0%
6c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%
7. ADJUSTED TOTAL FUEL & NET PWR.TRANS.	59,569,809	46,390,339	13,179,470	28.4%	673,683,598	627,802,929	45,880,669	7.3%
B. MWH SALES								
1. JURISDICTIONAL SALES	1,416,154	1,435,409	(19,255)	-1.3%	19,631,464	19,544,119	87,345	0.4%
2. NONJURISDICTIONAL SALES	0	0	0	0.0%	0	0	0	0.0%
3. TOTAL SALES	1,416,154	1,435,409	(19,255)	-1.3%	19,631,464	19,544,119	87,345	0.4%
4. JURISDIC. SALES-% TOTAL MWH SALES	1.0000000	1.0000000	0.0000000	0.0%	1.0000000	1.0000000	0.0000000	0.0%

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		
			AMOUNT	%			AMOUNT	%	
C. TRUE-UP CALCULATION									
1. JURISDICTIONAL FUEL REVENUE	43,501,078	44,134,193	(633,115)	-1.4%	612,810,561	610,214,478	2,596,083	0.4%	
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0%	0	0	0	0.0%	
2a. TRUE-UP PROVISION	1,423,429	1,423,429	0	0.0%	17,081,137	17,081,137	0	0.0%	
2b. INCENTIVE PROVISION	(3,953)	(3,953)	0	0.0%	(47,392)	(47,392)	0	0.0%	
2c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%	
3. JURIS. FUEL REVENUE APPL. TO PERIOD	44,920,554	45,553,669	(633,115)	-1.4%	629,844,306	627,248,223	2,596,083	0.4%	
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	59,569,809	46,390,339	13,179,470	28.4%	673,683,598	627,802,929	45,880,669	7.3%	
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B4)	1.0000000	1.0000000	0.0000000	0.0%	-	-	-	-	
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS.	59,569,809	46,390,339	13,179,470	28.4%	673,683,598	627,802,929	45,880,669	7.3%	
6a. JURISDIC. LOSS MULTIPLIER	1.00000	1.00000	0.00000	0.0%	-	-	-	-	
6b. (LINE C6 x LINE C6a)	59,569,809	46,390,339	13,179,470	28.4%	673,683,598	627,802,929	45,880,669	7.3%	
6c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%	
6d. JURISDIC. TOTAL FUEL & NET PWR INCL. ALL ADJ.(LNS. C6b+C6c)	59,569,809	46,390,339	13,179,470	28.4%	673,683,598	627,802,929	45,880,669	7.3%	
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	(14,649,255)	(836,670)	(13,812,585)	1650.9%	(43,839,292)	(554,706)	(43,284,586)	7803.2%	
7a. ADJ-BB UNIT 2 OUTAGE REPLACEMENT POWER COST T-Up	0	0	0	0.0%	(190,412)	0	(190,412)	0.0%	
8. INTEREST PROVISION FOR THE MONTH	(56,889)	1,089	(57,978)	-5324.0%	(186,849)	20,812	(207,661)	-997.8%	
8a. ADJ-DEC 2017 INTEREST ADJUSTMENT FOR BB UNIT 2 OUTAGE REPLACEMENT POWER COST	0	0	0	0.0%	2,670	0	2,670	0.0%	
8b. ADJ - JAN THRU APR 2018 ADJUSTMENT FOR BIG BEND AND POLK ASSETS DUE TO TAX REFORM INCLUDING INTEREST	0	0	0	0.0%	43,064	0	43,064	0.0%	
9. TRUE-UP & INT. PROV. BEG. OF MONTH	(20,841,339)	1,725,116	(22,566,455)	-1308.1%	-----NOT APPLICABLE-----				
10. TRUE-UP COLLECTED (REFUNDED)	(1,423,429)	(1,423,429)	0	0.0%	-----NOT APPLICABLE-----				
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	(36,970,912)	(533,894)	(36,437,018)	6824.8%	-----NOT APPLICABLE-----				

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	(20,841,339)	1,725,116	(22,566,455)	-1308.1%				NOT APPLICABLE
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	<u>(36,914,023)</u>	<u>(534,983)</u>	<u>(36,379,040)</u>	<u>6800.0%</u>				NOT APPLICABLE
3. TOTAL BEG. & END. TRUE-UP AMOUNT	<u><u>(57,755,362)</u></u>	<u><u>1,190,133</u></u>	<u><u>(58,945,495)</u></u>	<u><u>-4952.8%</u></u>				NOT APPLICABLE
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	(28,877,681)	595,067	(29,472,748)	-4952.8%				NOT APPLICABLE
5. INT. RATE-FIRST DAY REP. BUS. MONTH	2.300	2.200	0.100	4.5%				NOT APPLICABLE
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	<u>2.420</u>	<u>2.200</u>	<u>0.220</u>	<u>10.0%</u>				NOT APPLICABLE
7. TOTAL (LINE D5 + LINE D6)	<u><u>4.720</u></u>	<u><u>4.400</u></u>	<u><u>0.320</u></u>	<u><u>7.3%</u></u>				NOT APPLICABLE
8. AVERAGE INT. RATE (50% OF LINE D7)	2.360	2.200	0.160	7.3%				NOT APPLICABLE
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.197	0.183	0.014	7.7%				NOT APPLICABLE
10. INT. PROVISION (LINE D4 x LINE D9)	<u><u>(56,889)</u></u>	<u><u>1,089</u></u>	<u><u>(57,978)</u></u>	<u><u>-5324.0%</u></u>				NOT APPLICABLE

5

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
FUEL COST OF SYSTEM NET GENERATION (\$)								
1 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
2 LIGHT OIL	0	66,291	(66,291)	-100.0%	51,583	688,409	(636,826)	-92.5%
3 COAL	6,432,599	13,905,918	(7,473,319)	-53.7%	125,828,296	170,606,860	(44,778,564)	-26.2%
4 NATURAL GAS	52,114,614	31,035,774	21,078,840	67.9%	505,830,903	435,698,316	70,132,587	16.1%
5 SOLAR	0	0	0	0.0%	0	0	0	0.0%
6 OTHER	0	0	0	0.0%	0	0	0	0.0%
7 TOTAL (\$)	58,547,213	45,007,983	13,539,230	30.1%	631,710,782	606,993,585	24,717,197	4.1%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	0	280	(280)	-100.0%	173	2,920	(2,747)	-94.1%
10 COAL	181,720	445,770	(264,050)	-59.2%	3,533,451	5,456,970	(1,923,519)	-35.2%
11 NATURAL GAS	1,251,091	1,031,760	219,331	21.3%	16,096,514	14,465,160	1,631,354	11.3%
12 SOLAR	23,127	22,890	237	1.0%	118,322	142,110	(23,788)	-16.7%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,455,938	1,500,700	(44,762)	-3.0%	19,748,460	20,067,160	(318,700)	-1.6%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	0	520	(520)	-100.0%	405	5,400	(4,995)	-92.5%
17 COAL (TON)	94,513	187,780	(93,267)	-49.7%	1,626,026	2,338,650	(712,624)	-30.5%
18 NATURAL GAS (MCF)	9,074,608	7,276,700	1,797,908	24.7%	121,581,188	104,470,630	17,110,558	16.4%
19 SOLAR (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
20 OTHER (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
BTUS BURNED (MMBTU)								
21 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
22 LIGHT OIL	0	3,040	(3,040)	-100.0%	1,349	31,340	(29,991)	-95.7%
23 COAL	2,132,135	4,591,740	(2,459,605)	-53.6%	38,881,879	56,478,090	(17,596,211)	-31.2%
24 NATURAL GAS	9,274,249	7,457,170	1,817,079	24.4%	124,229,756	107,036,360	17,193,396	16.1%
25 SOLAR	0	0	0	0.0%	0	0	0	0.0%
26 OTHER	0	0	0	0.0%	0	0	0	0.0%
27 TOTAL (MMBTU)	11,406,384	12,051,950	(645,566)	-5.4%	163,112,984	163,545,790	(432,806)	-0.3%
GENERATION MIX (% MWH)								
28 HEAVY OIL	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
29 LIGHT OIL	0.00%	0.02%	-0.02%	-100.0%	0.00%	0.01%	-0.01%	-94.0%
30 COAL	12.48%	29.70%	-17.22%	-58.0%	17.89%	27.19%	-9.30%	-34.2%
31 NATURAL GAS	85.93%	68.75%	17.18%	25.0%	81.51%	72.08%	9.42%	13.1%
32 SOLAR	1.59%	1.53%	0.06%	4.1%	0.60%	0.71%	-0.11%	-15.4%
33 OTHER	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
34 TOTAL (%)	100.00%	100.00%	0.00%	0.0%	100.00%	100.00%	0.00%	0.0%
FUEL COST PER UNIT								
35 HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
36 LIGHT OIL (\$/BBL)	0.00	127.48	(127.48)	-100.0%	127.37	127.48	(0.12)	-0.1%
37 COAL (\$/TON)	68.06	74.05	(5.99)	-8.1%	77.38	72.95	4.43	6.1%
38 NATURAL GAS (\$/MCF)	5.74	4.27	1.48	34.6%	4.16	4.17	(0.01)	-0.2%
39 SOLAR (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
40 OTHER (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
FUEL COST PER MMBTU (\$/MMBTU)								
41 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
42 LIGHT OIL	0.00	21.81	(21.81)	-100.0%	38.24	21.97	16.27	74.1%
43 COAL	3.02	3.03	(0.01)	-0.4%	3.24	3.02	0.22	7.1%
44 NATURAL GAS	5.62	4.16	1.46	35.0%	4.07	4.07	0.00	0.0%
45 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
46 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
47 TOTAL (\$/MMBTU)	5.13	3.73	1.40	37.4%	3.87	3.71	0.16	4.3%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
BTU BURNED PER KWH (BTU/KWH)								
48 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
49 LIGHT OIL	0	10,857	(10,857)	-100.0%	7,798	10,733	(2,935)	-27.3%
50 COAL	11,733	10,301	1,432	13.9%	11,004	10,350	654	6.3%
51 NATURAL GAS	7,413	7,228	185	2.6%	7,718	7,400	318	4.3%
52 SOLAR	0	0	0	0.0%	0	0	0	0.0%
53 OTHER	0	0	0	0.0%	0	0	0	0.0%
54 TOTAL (BTU/KWH)	7,834	8,031	(197)	-2.5%	8,260	8,150	110	1.3%
GENERATED FUEL COST PER KWH (cents/KWH)								
55 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
56 LIGHT OIL	0.00	23.68	(23.68)	-100.0%	29.82	23.58	6.24	26.5%
57 COAL	3.54	3.12	0.42	13.5%	3.56	3.13	0.43	13.7%
58 NATURAL GAS	4.17	3.01	1.16	38.5%	3.14	3.01	0.13	4.3%
59 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
60 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
61 TOTAL (cents/KWH)	4.02	3.00	1.02	34.0%	3.20	3.02	0.18	6.0%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	185	15.5	-	35.7	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,184	15.2	-	37.7	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	115	10.3	-	25.3	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	6,407	12.2	-	37.2	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	7,387	13.3	-	38.8	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	6,815	12.3	-	31.2	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.0	61	0.1	-	4.3	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	(3) 55.0	(22)	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	(3) 37.5	(5)	0.0	-	0.0	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	444.8	23,127	7.0	-	16.0	-	SOLAR	-	-	-	-	-	-
B.B.#1 (GAS)	315	0	0.0	0.0	0.0	-	GAS	0	0	0.0	0	0.00	0.00
B.B.#1 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	315	0	0.0	0.0	0.0	0	-	-	-	0.0	0	0.00	-
B.B.#2 (GAS)	350	0	0.0	33.9	0.0	-	GAS	0	0	0.0	0	0.00	0.00
B.B.#2 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	350	0	0.0	33.9	0.0	0	-	-	-	0.0	0	0.00	-
B.B.#3 (GAS)	355	42,260	14.2	93.3	49.0	-	GAS	486,743	1,022,000	497,451.8	2,795,048	6.61	5.74
B.B.#3 (COAL)	400	0	0.0	93.3	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #3 TOTAL	400	42,260	14.2	93.3	49.0	11,771	-	-	-	497,451.8	2,795,048	6.61	-
B.B.#4 (GAS)	442	205	0.1	76.8	1.9	-	GAS	2,220	1,022,000	2,268.4	12,743	6.22	5.74
B.B.#4 (COAL)	(4) 442	184,669	56.2	65.0	73.7	-	COAL	94,513	22,692,200	2,132,134.6	6,379,569	3.45	67.50
BIG BEND #4 TOTAL	442	184,874	56.2	65.0	73.2	10,902	-	-	-	2,134,403.0	6,392,312	3.46	-
B.B. IGNITION	-	-	-	-	-	-	GAS	0	0	8,752,880.5	53,030	-	0.00
BIG BEND 1-4 COAL TOTAL	442	184,669	56.2	65.0	73.7	10,902	COAL	94,513	22,692,200	2,132,134.6	6,379,569	3.45	67.50
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	61	787	1.7	100.0	78.7	12,051	GAS	9,280	1,022,000	9,483.8	53,288	6.77	5.74
BIG BEND CT #4 TOTAL	61	787	1.7	100.0	78.7	12,051	-	-	-	9,483.8	53,288	6.77	-
BIG BEND STATION TOTAL	1,568	227,921	19.5	53.6	25.4	11,067	-	-	-	2,641,338.6	9,293,678	4.08	-
POLK #1 GASIFIER	(3) 220	(2,949)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	205	724	0.5	31.4	43.6	17,056	GAS	12,083	1,022,000	12,349.0	69,386	9.58	5.74
POLK #1 TOTAL	220	(2,225)	0.0	31.4	0.0	0	-	-	-	12,349.0	69,386	(3.12)	-
POLK #2 ST DUCT FIRING	120	4,976	5.6	-	63.6	8,400	GAS	40,897	1,022,000	41,797.0	234,846	4.72	5.74
POLK #2 ST W/O DUCT FIRING	360	196,422	73.3	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	480	201,398	56.4	83.5	56.4	-	GAS	-	-	41,797.0	234,846	0.12	-
POLK #2 CT (GAS)	180	64,399	48.1	63.3	82.1	11,089	GAS	698,755	1,022,000	714,128.0	4,012,492	6.23	5.74
POLK #2 CT (OIL)	(5) 187	0	0.0	63.3	0.0	0	LGT.OIL	2	0	0.0	214	0.00	107.00
POLK #2 TOTAL	180	64,399	48.1	63.3	82.1	11,089	-	-	-	714,128.0	4,012,706	6.23	-
POLK #3 CT (GAS)	180	78,922	58.9	74.5	83.3	10,905	GAS	842,123	1,022,000	860,650.0	4,835,760	6.13	5.74
POLK #3 CT (OIL)	(5) 187	0	0.00	74.5	0.0	0	LGT.OIL	(2)	0	0.0	(214)	0.00	107.00
POLK #3 TOTAL	180	78,922	58.9	74.5	83.3	10,905	-	-	-	860,650.0	4,835,546	6.13	-
POLK #4 (GAS)	180	102,860	76.8	94.0	83.8	10,745	GAS	1,081,397	1,022,000	1,105,188.0	6,209,753	6.04	5.74
POLK #5 (GAS)	180	103,790	77.5	99.8	84.6	10,756	GAS	1,092,341	1,022,000	1,116,372.0	6,272,592	6.04	5.74
POLK #2 CC TOTAL	1,200	551,369	61.8	83.1	63.6	6,961	GAS	-	-	3,838,135.0	21,565,443	3.91	-
POLK STATION TOTAL	1,420	549,144	52.0	75.1	53.5	7,012	-	-	-	3,850,484.0	21,634,829	3.94	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

SCHEDULE A4
PAGE 2 OF 2

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
BAYSIDE ST 1	243	93,727	51.8	96.1	51.8	-		-	-	-	-	-	-
BAYSIDE CT1A	183	59,652	43.8	94.4	68.7	11,682	GAS	681,836	1,022,000	696,836.5	3,916,062	6.56	5.74
BAYSIDE CT1B	183	54,911	40.3	99.9	70.5	11,594	GAS	622,929	1,022,000	636,633.9	3,577,735	6.52	5.74
BAYSIDE CT1C	183	57,911	42.5	93.6	68.8	11,415	GAS	646,817	1,022,000	661,047.2	3,714,934	6.41	5.74
BAYSIDE UNIT 1 TOTAL	792	266,201	45.2	98.8	45.2	7,493	GAS	1,951,582	1,022,000	1,994,517.6	11,208,731	4.21	5.74
BAYSIDE ST 2	315	135,150	57.7	98.8	57.7	-		-	-	-	-	-	-
BAYSIDE CT2A	183	35,702	26.2	100.0	66.4	11,202	GAS	391,340	1,022,000	399,949.1	2,247,624	6.30	5.74
BAYSIDE CT2B	183	35,678	26.2	99.1	70.0	11,605	GAS	405,139	1,022,000	414,051.7	2,326,877	6.52	5.74
BAYSIDE CT2C	183	95,330	70.0	100.0	70.0	11,550	GAS	1,077,386	1,022,000	1,101,088.7	6,187,863	6.49	5.74
BAYSIDE CT2D	183	86,656	63.6	96.1	70.3	11,457	GAS	971,418	1,022,000	992,789.4	5,579,246	6.44	5.74
BAYSIDE UNIT 2 TOTAL	1,047	388,516	49.9	99.6	49.9	7,485	GAS	2,845,283	1,022,000	2,907,878.9	16,341,610	4.21	5.74
BAYSIDE UNIT 3 TOTAL	61	141	0.3	100.0	73.0	12,715	GAS	1,754	1,022,000	1,792.8	10,075	7.15	5.74
BAYSIDE UNIT 4 TOTAL	61	160	0.4	100.0	81.5	11,394	GAS	1,784	1,022,000	1,823.0	10,245	6.40	5.74
BAYSIDE UNIT 5 TOTAL	61	222	0.5	100.0	72.3	13,897	GAS	3,019	1,022,000	3,085.1	17,337	7.81	5.74
BAYSIDE UNIT 6 TOTAL	61	506	1.1	100.0	82.8	10,799	GAS	5,347	1,022,000	5,464.3	30,708	6.07	5.74
BAYSIDE STATION TOTAL	2,083	655,746	42.3	99.4	42.3	7,495	GAS	4,808,769	1,022,000	4,914,561.7	27,618,706	4.21	5.74
							LGT.OIL						
SYSTEM	5,516	1,455,938	35.5	78.4	40.3	7,753	-	-	-	11,406,384.3	58,547,213	4.02	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE

CC = COMBINED CYCLE
ST = STEAM TURBINE

Footnotes:

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

⁽⁴⁾ Includes September through November 2018 consumption adjustments to Big Bend 4 coal of 5,796 tons, \$390,493.88, and 118,950.7 mmbtu.
⁽⁵⁾ September 2018 adjustment to Polk oil consumption previously reported as Polk #3 CT.

**SYSTEM GENERATED FUEL COST
INVENTORY ANALYSIS
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018**

**SCHEDULE A5
PAGE 1 OF 2**

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
HEAVY OIL								
1 PURCHASES:								
2 UNITS (BBL)	0	0	0	0.0%	0	0	0	0.0%
3 UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
5 BURNED:								
6 UNITS (BBL)	0	0	0	0.0%	0	0	0	0.0%
7 UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
8 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
9 ENDING INVENTORY:								
10 UNITS (BBL)	0	0	0	0.0%	0	0	0	0.0%
11 UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
12 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
13								
14 DAYS SUPPLY:	0	0	0	0.0%	-	-	-	-
LIGHT OIL⁽¹⁾								
15 PURCHASES:								
16 UNITS (BBL)	0	0	0	0.0%	0	0	0	0.0%
17 UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
18 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
19 BURNED:								
20 UNITS (BBL)	0	520	(520)	-100.0%	405	5,400	(4,995)	-92.5%
21 UNIT COST (\$/BBL)	0.00	127.48	(127.48)	-100.0%	127.37	127.48	(0.12)	-0.1%
22 AMOUNT (\$)	0	66,291	(66,291)	-100.0%	51,583	688,409	(636,826)	-92.5%
23 ENDING INVENTORY:								
24 UNITS (BBL)	43,998	36,408	7,590	20.8%	43,998	36,408	7,590	20.8%
25 UNIT COST (\$/BBL)	127.48	127.48	0.00	0.0%	127.48	127.48	0.00	0.0%
26 AMOUNT (\$)	5,609,055	4,641,400	967,655	20.8%	5,609,055	4,641,400	967,655	20.8%
27								
28 DAYS SUPPLY: NORMAL	2,974	2,461	513	20.0%	-	-	-	-
29 DAYS SUPPLY: EMERGENCY	6	5	1	20.0%	-	-	-	-
COAL⁽²⁾								
30 PURCHASES:								
31 UNITS (TONS)	105,855	168,000	(62,145)	-37.0%	1,553,665	2,200,010	(646,345)	-29.4%
32 UNIT COST (\$/TON)	61.85	70.21	(8.36)	-11.9%	73.80	72.15	1.65	2.3%
33 AMOUNT (\$)	6,546,919	11,795,311	(5,248,392)	-44.5%	114,658,842	158,738,440	(44,079,598)	-27.8%
34 BURNED:								
35 UNITS (TONS)	* 94,513	187,780	(93,267)	-49.7%	1,626,026	2,338,650	(712,624)	-30.5%
36 UNIT COST (\$/TON)	68.06	74.05	(5.99)	-8.1%	77.38	72.95	4.43	6.1%
37 AMOUNT (\$)	* 6,432,599	13,905,918	(7,473,319)	-53.7%	125,828,296	170,606,860	(44,778,564)	-26.2%
38 ENDING INVENTORY:								
39 UNITS (TONS)	352,805	476,058	(123,253)	-25.9%	352,805	476,058	(123,253)	-25.9%
40 UNIT COST (\$/TON)	71.94	64.12	7.82	12.2%	71.94	64.12	7.82	12.2%
41 AMOUNT (\$)	25,379,583	30,523,994	(5,144,411)	-16.9%	25,379,583	30,523,994	(5,144,411)	-16.9%
42								
43 DAYS SUPPLY:	52	70	(18)	-30.0%	-	-	-	-
NATURAL GAS⁽³⁾								
44 PURCHASES:								
45 UNITS (MCF)	9,183,904	7,276,700	1,907,204	26.2%	121,253,979	104,616,545	16,637,434	15.9%
46 UNIT COST (\$/MCF)	5.50	4.29	1.21	28.1%	4.11	4.18	(0.07)	-1.8%
47 AMOUNT (\$)	50,517,114	31,252,465	19,264,649	61.6%	497,847,177	437,271,128	60,576,049	13.9%
48 BURNED:								
49 UNITS (MCF)	9,074,608	7,276,700	1,797,908	24.7%	121,581,188	104,470,630	17,110,558	16.4%
50 UNIT COST (\$/MCF)	5.74	4.27	1.48	34.6%	4.16	4.17	(0.01)	-0.2%
51 AMOUNT (\$)	52,114,614	31,035,774	21,078,840	67.9%	505,830,903	435,698,316	70,132,587	16.1%
52 ENDING INVENTORY:								
53 UNITS (MCF)	430,934	875,486	(444,552)	-50.8%	430,934	875,486	(444,552)	-50.8%
54 UNIT COST (\$/MCF)	3.70	3.21	0.49	15.3%	3.70	3.21	0.49	15.3%
55 AMOUNT (\$)	1,594,239	2,809,800	(1,215,561)	-43.3%	1,594,239	2,809,800	(1,215,561)	-43.3%
56								
57 DAYS SUPPLY:	2	3	(1)	-33.3%	-	-	-	-
NUCLEAR								
58 BURNED:								
59 UNITS (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
60 UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
61 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%

SYSTEM GENERATED FUEL COST
INVENTORY ANALYSIS
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
OTHER								
62 PURCHASES:								
63 UNITS (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
64 UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
65 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
66 BURNED:								
67 UNITS (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
68 UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
69 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
70 ENDING INVENTORY:								
71 UNITS (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
72 UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
73 AMOUNT (\$)	0	0	0	0.0%	0	0	0	0.0%
74 DAYS SUPPLY:	0	0	0	0.0%	-	-	-	-

* Includes September through November 2018 consumption adjustments to Big Bend 4 coal of:

	Tons	Dollars	mmbtu's
Big Bend #4 Coal	5,796	390,493.88	118,950.7

⁽¹⁾ RECONCILIATION - LIGHT OIL

DIFFERENCE IN ENDING INVENTORY UNITS AND DOLLARS DUE TO:

	UNITS	DOLLARS
BB GYPSUM	0	0
BB COAL FIELD	0	0
BB OTHER PLANT	0	0
PK OTHER PLANT	0	0
TOTAL	0	0

⁽²⁾ RECONCILIATION - COAL

DIFFERENCE IN ENDING INVENTORY DOLLARS DUE TO:

	DOLLARS
FUEL ANALYSIS	4,992
NON-INV EXPENSE	308,238
BIG BEND #2 IGNITION	0
BIG BEND NG IGNITION	53,030
POLK NG IGNITION	0
AERIAL SURVEY ADJ	0
ADDITIVES	0
TOTAL	366,260

⁽³⁾ RECONCILIATION - NATURAL GAS

DIFFERENCE IN ENDING INVENTORY DOLLARS DUE TO:

	UNITS	DOLLARS
ADDITIVES	0	0
BIG BEND NG IGNITION	(53,030)	0
POLK NG IGNITION	0	0
INVENTORY ADJ	0	2,242,615
TOTAL	0	2,189,585

POWER SOLD
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

(1) SOLD TO	(2) TYPE & SCHEDULE		(3) TOTAL MWH SOLD	(4) MWH WHEELED OTHER SYSTEM	(5) MWH FROM OWN GENERATION	(6) CENTS/KWH		(7) TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6A)	(8) TOTAL \$ FOR TOTAL COST (5)X(6B)	(9) GAINS ON MARKET BASED SALES
						(A) FUEL COST	(B) TOTAL COST			
ESTIMATED:										
SEMINOLE	JURISD.	SCH. - D	590.0	0.0	590.0	2.512	2.683	14,820.00	15,828.00	1,008.00
VARIOUS	JURISD.	MKT.BASE	1,170.0	0.0	1,170.0	2.501	2.751	29,260.71	32,190.00	2,929.29
TOTAL			1,760.0	0.0	1,760.0	2.505	2.728	44,080.71	48,018.00	3,937.29
ACTUAL:										
SEMINOLE ELEC. PRECO-1	JURISD.	SCH. - D	3,970.0	0.0	3,970.0	2.624	2.887	104,178.43	114,596.27	6,032.30
REEDY CREEK		SCH. - CB	468.0	0.0	468.0	2.482	3.310	11,615.76	15,490.80	2,944.50
EXGEN		SCH. - MA	175.0	0.0	175.0	3.049	4.473	5,336.25	7,827.73	2,285.48
DUKE ENERGY FLORIDA		SCH. - MA	3,875.0	0.0	3,875.0	2.681	3.553	103,892.50	137,681.66	30,704.91
NEW SMYRNA BEACH		SCH. - MA	33.0	0.0	33.0	2.782	3.398	917.91	1,121.42	170.96
ORLANDO UTILITIES		SCH. - MA	500.0	0.0	500.0	3.027	3.958	15,136.50	19,791.78	4,263.28
THE ENERGY AUTHORITY		SCH. - MA	2,446.0	0.0	2,446.0	3.138	4.512	76,743.93	110,364.81	30,509.32
EDF TRADING		SCH. - MA	530.0	0.0	530.0	3.045	4.131	16,140.97	21,895.88	5,244.33
MORGAN STANLEY		SCH. - MA	175.0	0.0	175.0	2.922	3.667	5,113.50	6,416.56	1,185.81
LESS 20% - THRESHOLD EXCESS		SCH. - D								0.00
LESS 20% - THRESHOLD EXCESS		SCH. - C								0.00
LESS 20% - THRESHOLD EXCESS		SCH. - CB								0.00
LESS 20% - THRESHOLD EXCESS		SCH. - MA								0.00
SUB-TOTAL CURRENT MONTH			12,172.0	0.0	12,172.0	2.786	3.575	339,075.75	435,186.91	83,340.89
NO ADJUSTMENTS TO PRIOR MONTHS										
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.			3,970.0	0.0	3,970.0	2.624	2.887	104,178.43	114,596.27	6,032.30
SUB-TOTAL SCHEDULE C POWER SALES			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
SUB-TOTAL SCHEDULE CB POWER SALES			468.0	0.0	468.0	2.482	3.310	11,615.76	15,490.80	2,944.50
SUB-TOTAL SCHEDULE MA POWER SALES-JURISD.			7,734.0	0.0	7,734.0	2.887	3.945	223,281.56	305,099.84	74,364.09
SUB-TOTAL OATT POWER SALES			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TOTAL			12,172.0	0.0	12,172.0	2.786	3.575	339,075.75	435,186.91	83,340.89
CURRENT MONTH:										
DIFFERENCE			10,412.0	0.0	10,412.0	0.281	0.847	294,995.04	387,168.91	79,403.60
DIFFERENCE %			591.6%	0.0%	591.6%	11.2%	31.0%	669.2%	806.3%	2016.7%
PERIOD TO DATE:										
ACTUAL			286,172.0	18.0	286,154.0	2.571	3.620	7,357,520.00	10,358,045.96	2,607,474.00
ESTIMATED			22,330.0	0.0	22,330.0	2.830	3.075	631,977.45	686,567.00	54,589.55
DIFFERENCE			263,842.0	18.0	263,824.0	(0.259)	0.545	6,725,542.55	9,671,478.96	2,552,884.45
DIFFERENCE %			1181.6%	0.0%	1181.5%	-9.2%	17.7%	1064.2%	1408.7%	4676.5%

**PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7) CENTS/KWH		(8)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FROM OTHER UTILITIES	MWH FOR INTER- RUPTIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT (6)X(7A)
ESTIMATED:								
PASCO COGEN	SCH. - D	3,190.0	0.0	0.0	3,190.0	4.313	4.313	137,590.00
TOTAL		3,190.0	0.0	0.0	3,190.0	4.313	4.313	137,590.00
ACTUAL:								
PASCO COGEN	SCH. - D	2,508.0	0.0	0.0	2,508.0	5.800	5.800	145,459.91
DUKE ENERGY FLORIDA	OATT	358.0	0.0	0.0	358.0	2.438	2.438	8,728.97
SUB-TOTAL CURRENT MONTH		2,866.0	0.0	0.0	2,866.0	5.380	5.380	154,188.88
NO ADJUSTMENTS TO PRIOR MONTHS								
SUB-TOTAL SCHEDULE D PURCHASED POWER		2,508.0	0.0	0.0	2,508.0	5.800	5.800	145,459.91
SUB-TOTAL SCHEDULE OATT PURCHASED POWER		358.0	0.0	0.0	358.0	2.438	2.438	8,728.97
TOTAL		2,866.0	0.0	0.0	2,866.0	5.380	5.380	154,188.88
CURRENT MONTH:								
DIFFERENCE		(324.0)	0.0	0.0	(324.0)	1.067	1.067	16,598.88
DIFFERENCE %		-10.2%	0.0%	0.0%	-10.2%	24.7%	24.7%	12.1%
PERIOD TO DATE:								
ACTUAL		96,543.0	0.0	0.0	96,543.0	5.008	5.008	4,834,769.99
ESTIMATED		67,450.0	0.0	0.0	67,450.0	3.975	3.975	2,681,380.00
DIFFERENCE		29,093.0	0.0	0.0	29,093.0	1.033	1.033	2,153,389.99
DIFFERENCE %		43.1%	0.0%	0.0%	43.1%	26.0%	26.0%	80.3%

ENERGY PAYMENT TO QUALIFYING FACILITIES
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL MWH PURCHASED	(4) MWH FROM OTHER UTILITIES	(5) MWH FOR INTER- RUPTIBLE	(6) MWH FOR FIRM	(7) CENTS/KWH		(8) TOTAL \$ FOR FUEL ADJUSTMENT (6)X(7A)
						(A) FUEL COST	(B) TOTAL COST	
ESTIMATED:								
VARIOUS								
	COGEN.							
	AS AVAIL.	7,570.0	0.0	0.0	7,570.0	2.507	2.507	189,800.00
TOTAL		<u>7,570.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,570.0</u>	<u>2.507</u>	<u>2.507</u>	<u>189,800.00</u>
ACTUAL:								
AS AVAILABLE								
CARGILL RIDGEWOOD	COGEN.	1,169.0	0.0	0.0	1,169.0	2.788	2.788	32,592.27
CARGILL MILLPOINT	COGEN.	4,219.0	0.0	0.0	4,219.0	2.749	2.749	115,964.57
IMC-AGRICO-NEW WALES	COGEN.	2,841.0	0.0	0.0	2,841.0	3.155	3.155	89,627.01
IMC-AGRICO-S. PIERCE	COGEN.	19,620.0	0.0	0.0	19,620.0	2.821	2.821	553,493.44
SUB-TOTAL CURRENT MONTH		<u>27,849.0</u>	<u>0.0</u>	<u>0.0</u>	<u>27,849.0</u>	<u>2.843</u>	<u>2.843</u>	<u>791,677.29</u>
NET METERING		0.7	0.0	0.0	0.7	2.284	2.284	16.33
NO ADJUSTMENTS TO PRIOR MONTHS								
TOTAL INCL NET METERING		<u>27,849.7</u>	<u>0.0</u>	<u>0.0</u>	<u>27,849.7</u>	<u>2.843</u>	<u>2.843</u>	<u>791,693.62</u>
CURRENT MONTH:								
DIFFERENCE		20,279.7	0.0	0.0	20,279.7	0.335	0.335	601,893.62
DIFFERENCE %		267.9%	0.0%	0.0%	267.9%	13.4%	13.4%	317.1%
PERIOD TO DATE:								
ACTUAL		194,359.8	0.0	0.0	194,359.8	2.488	2.488	4,835,471.01
ESTIMATED		90,110.0	0.0	0.0	90,110.0	2.863	2.863	2,579,410.00
DIFFERENCE		104,249.8	0.0	0.0	104,249.8	(0.375)	(0.375)	2,256,061.01
DIFFERENCE %		115.7%	0.0%	0.0%	115.7%	-13.1%	-13.1%	87.5%

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL MWH PURCHASED	(4) MWH FOR INTERRUPTIBLE	(5) MWH FOR FIRM	(6) TRANSACTION COSTS CENTS/KWH	(7) TOTAL \$ FOR FUEL ADJUSTMENT (5) X (6)	(8) COST IF GENERATED		(9) FUEL SAVINGS (8B)-7
							(A) CENTS PER KWH	(B) TOTAL COST	
ESTIMATED:									
VARIOUS	Economy	27,380.0	0.0	27,380.0	2.595	710,560.00	4.280	1,171,820.00	461,260.00
TOTAL		27,380.0	0.0	27,380.0	2.595	710,560.00	4.280	1,171,820.00	461,260.00
ACTUAL:									
FLA. POWER & LIGHT	SCH. - J	575.0	0.0	575.0	5.639	32,425.00	5.680	32,659.00	234.00
CITY OF LAKELAND	SCH. - J	1,100.0	0.0	1,100.0	4.800	52,800.00	4.800	52,800.00	0.00
ORLANDO UTIL. COMM.	SCH. - J	50.0	0.0	50.0	4.100	2,050.00	4.100	2,050.00	0.00
THE ENERGY AUTHORITY	SCH. - J	205.0	0.0	205.0	6.000	12,300.00	6.000	12,300.00	0.00
EXGEN	SCH. - J	150.0	0.0	150.0	4.750	7,125.00	4.750	7,125.00	0.00
SOUTHERN COMPANY	SCH. - J	100.0	0.0	100.0	6.400	6,400.00	6.400	6,400.00	0.00
SUB-TOTAL CURRENT MONTH		2,180.0	0.0	2,180.0	5.188	113,100.00	5.199	113,334.00	234.00
NO ADJUSTMENTS TO PRIOR MONTHS									
SUB-TOTAL SCHEDULE REB ECONOMY PURCHASES		0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
SUB-TOTAL SCHEDULE C ECONOMY PURCHASES		0.0	0.0	0.0	0.000	0.00	0.000	0.00	0.00
SUB-TOTAL SCHEDULE J ECONOMY PURCHASES		2,180.0	0.0	2,180.0	5.188	113,100.00	5.199	113,334.00	234.00
TOTAL		2,180.0	0.0	2,180.0	5.188	113,100.00	5.199	113,334.00	234.00
CURRENT MONTH:									
DIFFERENCE		(25,200.0)	0.0	(25,200.0)	2.593	(597,460.00)	0.919	(1,058,486.00)	(461,026.00)
DIFFERENCE %		-92.0%	0.0%	-92.0%	99.9%	-84.1%	21.5%	-90.3%	-99.9%
PERIOD TO DATE:									
ACTUAL		931,965.9	427.8	931,538.1	3.843	35,800,487.59	4.422	41,194,540.96	5,394,053.37
ESTIMATED		313,280.0	0.0	313,280.0	3.098	9,706,470.00	4.921	15,417,030.00	5,710,560.00
DIFFERENCE		618,685.9	427.8	618,258.1	0.745	26,094,017.59	(0.499)	25,777,510.96	(316,506.63)
DIFFERENCE %		197.5%	0.0%	197.4%	24.0%	268.8%	-10.1%	167.2%	-5.5%

CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
MONTH OF: December 2018

CONTRACT	TERM		CONTRACT TYPE	
	START	END		
PASCO COGEN LTD	1/1/2009	12/31/2018	LT	QF = QUALIFYING FACILITY
SEMINOLE ELECTRIC **	6/1/1992	-----	LT	LT = LONG TERM
				ST = SHORT-TERM
				** THREE YEAR NOTICE REQUIRED FOR TERMINATION.

CONTRACT	JANUARY MW	FEBRUARY MW	MARCH MW	APRIL MW	MAY MW	JUNE MW	JULY MW	AUGUST MW	SEPTEMBER MW	OCTOBER MW	NOVEMBER MW	DECEMBER MW
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
SEMINOLE ELECTRIC	10.3	7.1	5.9	5.6	0.9	1.9	2.1	2.3	2.1	8.9	2.1	7.8

CAPACITY	JANUARY (\$)	FEBRUARY (\$)	MARCH (\$)	APRIL (\$)	MAY (\$)	JUNE (\$)	JULY (\$)	AUGUST (\$)	SEPTEMBER (\$)	OCTOBER (\$)	NOVEMBER (\$)	DECEMBER (\$)	TOTAL (\$)
----------	--------------	---------------	------------	------------	----------	-----------	-----------	-------------	----------------	--------------	---------------	---------------	------------

16

TOTAL PURCHASES AND (SALES)	\$ 583,902	\$ 872,960	\$ 668,109	\$ 639,970	\$ 1,074,286	\$ 1,142,022	\$ 1,183,470	\$ 1,251,270	\$ 1,248,984	\$ 1,204,852	\$ 855,876	\$ 746,067	\$ 11,471,768
TOTAL CAPACITY	\$ 583,902	\$ 872,960	\$ 668,109	\$ 639,970	\$ 1,074,286	\$ 1,142,022	\$ 1,183,470	\$ 1,251,270	\$ 1,248,984	\$ 1,204,852	\$ 855,876	\$ 746,067	\$ 11,471,768

**LIST OF ACRONYMS
TAMPA ELECTRIC COMPANY**

ACRONYM	DESCRIPTION
ROI	Return on Investment
WGC	Warm Gas Cleanup
OATT	Open Access Transmission Tariff
T&D	Transmission & Distribution
GPIF	Generating Performance Incentive Factor

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: November 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
FUEL COST OF SYSTEM NET GENERATION (\$)								
1 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
2 LIGHT OIL	0	40,795	(40,795)	-100.0%	51,583	622,118	(570,535)	-91.7%
3 COAL	1,893,879	15,849,558	(13,955,679)	-88.1%	119,395,697	156,700,942	(37,305,245)	-23.8%
4 NATURAL GAS	44,601,193	26,862,417	17,738,776	66.0%	453,716,289	404,662,542	49,053,747	12.1%
5 SOLAR	0	0	0	0.0%	0	0	0	0.0%
6 OTHER	0	0	0	0.0%	0	0	0	0.0%
7 TOTAL (\$)	46,495,072	42,752,770	3,742,302	8.8%	573,163,569	561,985,602	11,177,967	2.0%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	0	180	(180)	-100.0%	173	2,640	(2,467)	-93.4%
10 COAL	43,512	503,610	(460,098)	-91.4%	3,351,731	5,011,200	(1,659,469)	-33.1%
11 NATURAL GAS	1,393,066	844,760	548,306	64.9%	14,845,423	13,433,400	1,412,023	10.5%
12 SOLAR	23,813	25,660	(1,847)	-7.2%	95,195	119,220	(24,025)	-20.2%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,460,391	1,374,210	86,181	6.3%	18,292,522	18,566,460	(273,938)	-1.5%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	0	320	(320)	-100.0%	405	4,880	(4,475)	-91.7%
17 COAL (TON)	23,718	215,060	(191,342)	-89.0%	1,531,513	2,150,870	(619,357)	-28.8%
18 NATURAL GAS (MCF)	10,702,152	6,349,920	4,352,232	68.5%	112,506,580	97,193,930	15,312,650	15.8%
19 SOLAR (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
20 OTHER (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
BTUS BURNED (MMBTU)								
21 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
22 LIGHT OIL	0	1,820	(1,820)	-100.0%	1,349	28,300	(26,951)	-95.2%
23 COAL	538,731	5,211,620	(4,672,889)	-89.7%	36,749,744	51,886,350	(15,136,606)	-29.2%
24 NATURAL GAS	10,972,451	6,506,600	4,465,851	68.6%	114,955,507	99,579,190	15,376,317	15.4%
25 SOLAR	0	0	0	0.0%	0	0	0	0.0%
26 OTHER	0	0	0	0.0%	0	0	0	0.0%
27 TOTAL (MMBTU)	11,511,182	11,720,040	(208,858)	-1.8%	151,706,600	151,493,840	212,760	0.1%
GENERATION MIX (% MWH)								
28 HEAVY OIL	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
29 LIGHT OIL	0.00%	0.01%	-0.01%	-100.0%	0.00%	0.01%	-0.01%	-93.3%
30 COAL	2.98%	36.65%	-33.67%	-91.9%	18.32%	26.99%	-8.67%	-32.1%
31 NATURAL GAS	95.39%	61.47%	33.92%	55.2%	81.16%	72.35%	8.80%	12.2%
32 SOLAR	1.63%	1.87%	-0.24%	-12.7%	0.52%	0.64%	-0.12%	-19.0%
33 OTHER	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
34 TOTAL (%)	100.00%	100.00%	0.00%	0.0%	100.00%	100.00%	0.00%	0.0%
FUEL COST PER UNIT								
35 HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
36 LIGHT OIL (\$/BBL)	0.00	127.48	(127.48)	-100.0%	127.37	127.48	(0.12)	-0.1%
37 COAL (\$/TON)	79.85	73.70	6.15	8.3%	77.96	72.85	5.10	7.0%
38 NATURAL GAS (\$/MCF)	4.17	4.23	(0.06)	-1.5%	4.03	4.16	(0.13)	-3.1%
39 SOLAR (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
40 OTHER (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
FUEL COST PER MMBTU (\$/MMBTU)								
41 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
42 LIGHT OIL	0.00	22.41	(22.41)	-100.0%	38.24	21.98	16.25	73.9%
43 COAL	3.52	3.04	0.47	15.6%	3.25	3.02	0.23	7.6%
44 NATURAL GAS	4.06	4.13	(0.06)	-1.5%	3.95	4.06	(0.12)	-2.9%
45 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
46 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
47 TOTAL (\$/MMBTU)	4.04	3.65	0.39	10.7%	3.78	3.71	0.07	1.8%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: November 2018

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		
			AMOUNT	%			AMOUNT	%	
BTU BURNED PER KWH (BTU/KWH)									
48 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%	
49 LIGHT OIL	0	10,111	(10,111)	-100.0%	7,798	10,720	(2,922)	-27.3%	
50 COAL	12,381	10,349	2,032	19.6%	10,964	10,354	610	5.9%	
51 NATURAL GAS	7,876	7,702	174	2.3%	7,743	7,413	330	4.5%	
52 SOLAR	0	0	0	0.0%	0	0	0	0.0%	
53 OTHER	0	0	0	0.0%	0	0	0	0.0%	
54 TOTAL (BTU/KWH)	7,882	8,529	(647)	-7.6%	8,293	8,160	133	1.6%	
GENERATED FUEL COST PER KWH (cents/KWH)									
55 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
56 LIGHT OIL	0.00	22.66	(22.66)	-100.0%	29.82	23.57	6.25	26.5%	
57 COAL	4.35	3.15	1.20	38.1%	3.56	3.13	0.43	13.7%	
58 NATURAL GAS	3.20	3.18	0.02	0.6%	3.06	3.01	0.05	1.7%	
59 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
60 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
61 TOTAL (cents/KWH)	3.18	3.11	0.07	2.3%	3.13	3.03	0.10	3.3%	

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: November 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	211	18.3	-	41.9	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,562	18.4	-	43.0	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	139	12.9	-	28.6	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	9,987	19.7	-	46.6	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	8,493	15.8	-	42.6	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	2,421	4.5	-	18.5	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	241.7	23,813	13.7	-	30.4	-	SOLAR	-	-	-	-	-	-
B.B.#1 (GAS)	(4) 305	35,492	16.1	96.8	48.5	-	GAS	418,288	1,023,000	427,908.6	1,751,000	4.93	4.19
B.B.#1 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	305	35,492	16.1	96.8	48.5	12,056	-	-	-	427,908.6	1,751,000	4.93	-
B.B.#2 (GAS)	(4) 340	30,668	12.5	99.9	51.9	-	GAS	339,756	1,023,000	347,570.5	1,422,580	4.64	4.19
B.B.#2 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	340	30,668	12.5	99.9	51.9	11,333	-	-	-	347,570.5	1,422,580	4.64	-
B.B.#3 (GAS)	(4) 345	149,843	60.2	99.5	60.2	-	GAS	1,670,526	1,023,000	1,708,948.0	6,967,668	4.65	4.17
B.B.#3 (COAL)	345	0	0.0	99.5	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #3 TOTAL	345	149,843	60.2	99.5	60.2	11,405	-	-	-	1,708,948.0	6,967,668	4.65	-
B.B.#4 (GAS)	(4) 185	343	0.3	23.9	6.6	-	GAS	3,916	1,023,000	4,006.6	16,468	4.80	4.21
B.B.#4 (COAL)	437	45,981	14.6	18.5	64.2	-	COAL	23,718	22,343,780	538,730.7	1,762,576	3.83	74.31
BIG BEND #4 TOTAL	437	46,324	14.7	18.5	64.2	11,527	-	-	-	542,737.3	1,779,044	3.84	-
B.B. IGNITION	(4) -	-	-	-	-	-	GAS	31,410	1,023,000	32,132.0	131,279	-	4.18
BIG BEND 1-4 COAL TOTAL	437	45,981	14.6	18.5	64.2	11,525	COAL	23,718	22,343,781	538,730.7	1,762,576	3.83	74.31
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	(4) 56	452	1.1	64.3	75.3	12,912	GAS	5,705	1,023,000	5,836.3	23,990	5.31	4.21
BIG BEND CT #4 TOTAL	56	452	1.1	64.3	75.3	12,912	-	-	-	5,836.3	23,990	5.31	-
BIG BEND STATION TOTAL	1,483	262,779	24.6	73.8	24.6	11,509	-	-	-	3,033,000.7	12,075,561	4.60	-
POLK #1 GASIFIER	(3),(4) 245	(2,469)	0.0	0.0	0.0	0	COAL	0	0	0.0	24	(0.00)	0.00
POLK #1 CT (GAS)	(3),(4) 195	(46)	0.0	0.0	0.0	0	GAS	0	0	0.0	9,249	(20.11)	0.00
POLK #1 TOTAL	245	(2,515)	0.0	0.0	0.0	0	-	-	-	0.0	9,273	(0.37)	-
POLK #2 ST DUCT FIRING	(4) 120	18,592	21.5	-	93.4	8,400	GAS	152,662	1,023,000	230,941.0	639,560	3.44	4.19
POLK #2 ST W/O DUCT FIRING	(4) 341	203,578	82.8	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	222,170	66.8	85.6	75.9	-	GAS	-	-	230,941.0	639,560	0.29	-
POLK #2 CT (GAS)	(4) 150	84,940	78.5	100.0	94.8	11,008	GAS	913,971	1,023,000	934,992.0	3,827,155	4.51	4.19
POLK #2 CT (OIL)	159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	150	84,940	78.5	100.0	94.8	11,008	-	-	-	934,992.0	3,827,155	4.51	-
POLK #3 CT (GAS)	(4) 150	83,953	77.6	83.2	98.1	10,877	GAS	892,624	1,023,000	913,154.0	3,738,068	4.45	4.19
POLK #3 CT (OIL)	159	0	0.0	83.2	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	150	83,953	77.6	83.2	98.1	10,877	-	-	-	913,154.0	3,738,068	4.45	-
POLK #4 (GAS)	(4) 150	88,879	82.2	82.9	99.1	10,472	GAS	909,806	1,023,000	930,732.0	3,809,989	4.29	4.19
POLK #5 (GAS)	(4) 150	91,389	84.5	100.0	99.2	10,830	GAS	967,495	1,023,000	989,747.0	4,050,396	4.43	4.19
POLK #2 CC TOTAL	1,061	571,331	74.7	88.9	75.6	6,870	GAS	-	-	3,999,566.0	16,065,168	2.81	-
POLK STATION TOTAL	1,306	568,816	60.4	72.3	61.2	6,900	-	-	-	3,999,566.0	16,074,441	2.83	-



SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: November 2018

SCHEDULE A4
PAGE 2 OF 2
REVISED 1/14/19

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
BAYSIDE ST 1	233	89,349	53.2	73.6	53.9	-		-	-	-	-	-	-
BAYSIDE CT1A	156	43,441	38.6	61.9	83.8	11,268	GAS	478,507	1,023,000	472,640.0	1,954,211	4.50	4.08
BAYSIDE CT1B	156	43,419	38.6	62.9	81.4	11,562	GAS	490,704	1,023,000	485,117.0	2,004,023	4.62	4.08
BAYSIDE CT1C	156	79,660	70.8	100.0	82.1	11,259	GAS	876,714	1,023,000	880,005.0	3,580,479	4.49	4.08
BAYSIDE UNIT 1 TOTAL	(4) 701	255,869	50.6	90.3	51.3	7,380	GAS	1,845,925	1,023,000	1,837,762.0	7,538,713	2.95	4.08
BAYSIDE ST 2	305	118,998	54.1	76.5	54.1	-		-	-	-	-	-	-
BAYSIDE CT2A	156	49,429	43.9	84.7	84.0	11,144	GAS	538,449	1,023,000	550,834.0	2,252,418	4.56	4.18
BAYSIDE CT2B	156	55,787	49.6	81.9	84.1	11,393	GAS	621,316	1,023,000	635,606.0	2,599,063	4.66	4.18
BAYSIDE CT2C	156	55,676	49.5	64.5	82.3	11,710	GAS	637,317	1,023,000	651,975.0	2,665,998	4.79	4.18
BAYSIDE CT2D	156	68,865	61.2	76.6	81.4	11,573	GAS	779,070	1,023,000	796,989.0	3,258,973	4.73	4.18
BAYSIDE UNIT 2 TOTAL	(4) 929	348,755	52.1	92.1	52.1	7,557	GAS	2,576,152	1,023,000	2,635,404.0	10,776,452	3.09	4.18
BAYSIDE UNIT 3 TOTAL	(4) 56	146	0.4	98.0	83.2	13,932	GAS	1,988	1,023,000	2,034.0	8,637	5.92	4.34
BAYSIDE UNIT 4 TOTAL	(3),(4) 56	(14)	0.0	94.7	0.0	0	GAS	0	0	0.0	292	(2.09)	0.00
BAYSIDE UNIT 5 TOTAL	(4) 56	183	0.5	95.7	69.5	15,350	GAS	2,746	1,023,000	2,809.0	18,390	10.05	6.70
BAYSIDE UNIT 6 TOTAL	(4) 56	44	0.1	97.0	61.2	13,773	GAS	592	1,023,000	606.0	2,586	5.88	4.37
BAYSIDE STATION TOTAL	1,854	604,983	45.3	91.9	45.3	7,487	GAS	4,427,403	1,023,000	4,478,615.0	18,345,070	3.03	4.14
							LGT.OIL						
SYSTEM	4,885	1,460,391	41.5	80.6	42.8	7,860	-	-	-	11,511,181.7	46,495,072	3.18	-

LEGEND:

B.B. = BIG BEND

CT = COMBUSTION TURBINE

Footnotes:

⁽¹⁾ As burned fuel cost system total includes ignition.

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

⁽³⁾ Station Service

⁽⁴⁾ Includes February through October 2018 adjustments to Big Bend, Polk and Bayside Stations, also includes adjustments to Polk and Big Bend ignition for February through August 2018. Details on Schedule A5 page 2.

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: October 2018

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
FUEL COST OF SYSTEM NET GENERATION (\$)								
1 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
2 LIGHT OIL	21,881	66,291	(44,410)	-67.0%	51,583	581,323	(529,740)	-91.1%
3 COAL	5,947,861	13,013,277	(7,065,416)	-54.3%	117,501,818	140,851,384	(23,349,566)	-16.6%
4 NATURAL GAS	47,502,646	37,197,054	10,305,592	27.7%	409,115,096	377,800,125	31,314,971	8.3%
5 SOLAR	0	0	0	0.0%	0	0	0	0.0%
6 OTHER	0	0	0	0.0%	0	0	0	0.0%
7 TOTAL (\$)	53,472,388	50,276,622	3,195,766	6.4%	526,668,497	519,232,832	7,435,665	1.4%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	92	280	(188)	-67.1%	173	2,460	(2,287)	-93.0%
10 COAL	184,751	404,900	(220,149)	-54.4%	3,308,219	4,507,590	(1,199,371)	-26.6%
11 NATURAL GAS	1,508,807	1,258,190	250,617	19.9%	13,452,357	12,588,640	863,717	6.9%
12 SOLAR	21,140	30,310	(9,170)	-30.3%	71,382	93,560	(22,178)	-23.7%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,714,790	1,693,680	21,110	1.2%	16,832,131	17,192,250	(360,119)	-2.1%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	172	520	(348)	-66.9%	405	4,560	(4,155)	-91.1%
17 COAL (TON)	79,567	174,790	(95,223)	-54.5%	1,507,795	1,935,810	(428,015)	-22.1%
18 NATURAL GAS (MCF)	11,672,897	9,360,880	2,312,017	24.7%	101,804,428	90,844,010	10,960,418	12.1%
19 SOLAR (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
20 OTHER (MMBTU)	0	0	0	0.0%	0	0	0	0.0%
BTUS BURNED (MMBTU)								
21 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
22 LIGHT OIL	0	2,960	(2,960)	-100.0%	1,349	26,480	(25,131)	-94.9%
23 COAL	1,799,487	4,211,090	(2,411,603)	-57.3%	36,211,013	46,674,730	(10,463,717)	-22.4%
24 NATURAL GAS	11,918,028	9,577,140	2,340,888	24.4%	103,983,056	93,072,590	10,910,466	11.7%
25 SOLAR	0	0	0	0.0%	0	0	0	0.0%
26 OTHER	0	0	0	0.0%	0	0	0	0.0%
27 TOTAL (MMBTU)	13,717,515	13,791,190	(73,675)	-0.5%	140,195,418	139,773,800	421,618	0.3%
GENERATION MIX (% MWH)								
28 HEAVY OIL	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
29 LIGHT OIL	0.01%	0.02%	-0.01%	-67.5%	0.00%	0.01%	-0.01%	-92.8%
30 COAL	10.77%	23.91%	-13.13%	-54.9%	19.65%	26.22%	-6.56%	-25.0%
31 NATURAL GAS	87.99%	74.29%	13.70%	18.4%	79.92%	73.22%	6.70%	9.1%
32 SOLAR	1.23%	1.79%	-0.56%	-31.1%	0.42%	0.54%	-0.12%	-22.1%
33 OTHER	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
34 TOTAL (%)	100.00%	100.00%	0.00%	0.0%	100.00%	100.00%	0.00%	0.0%
FUEL COST PER UNIT								
35 HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
36 LIGHT OIL (\$/BBL)	127.22	127.48	(0.27)	-0.2%	127.37	127.48	(0.12)	-0.1%
37 COAL (\$/TON)	74.75	74.45	0.30	0.4%	77.93	72.76	5.17	7.1%
38 NATURAL GAS (\$/MCF)	4.07	3.97	0.10	2.4%	4.02	4.16	(0.14)	-3.4%
39 SOLAR (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
40 OTHER (\$/MMBTU)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
FUEL COST PER MMBTU (\$/MMBTU)								
41 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
42 LIGHT OIL	0.00	22.40	(22.40)	-100.0%	38.24	21.95	16.28	74.2%
43 COAL	3.31	3.09	0.22	7.0%	3.24	3.02	0.23	7.5%
44 NATURAL GAS	3.99	3.88	0.10	2.6%	3.93	4.06	(0.12)	-3.1%
45 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
46 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
47 TOTAL (\$/MMBTU)	3.90	3.65	0.25	6.9%	3.76	3.71	0.04	1.1%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: October 2018

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		
			AMOUNT	%			AMOUNT	%	
BTU BURNED PER KWH (BTU/KWH)									
48 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%	
49 LIGHT OIL	0	10,571	(10,571)	-100.0%	7,798	10,764	(2,966)	-27.6%	
50 COAL	9,740	10,400	(660)	-6.3%	10,946	10,355	591	5.7%	
51 NATURAL GAS	7,899	7,612	287	3.8%	7,730	7,393	337	4.6%	
52 SOLAR	0	0	0	0.0%	0	0	0	0.0%	
53 OTHER	0	0	0	0.0%	0	0	0	0.0%	
54 TOTAL (BTU/KWH)	8,000	8,143	(143)	-1.8%	8,329	8,130	199	2.4%	
GENERATED FUEL COST PER KWH (cents/KWH)									
55 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
56 LIGHT OIL	23.78	23.68	0.10	0.4%	29.82	23.63	6.19	26.2%	
57 COAL	3.22	3.21	0.01	0.3%	3.55	3.12	0.43	13.8%	
58 NATURAL GAS	3.15	2.96	0.19	6.4%	3.04	3.00	0.04	1.3%	
59 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
60 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	
61 TOTAL (cents/KWH)	3.12	2.97	0.15	5.1%	3.13	3.02	0.11	3.6%	

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: October 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	264	22.2	-	43.5	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,482	24.2	-	52.7	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	178	15.9	-	34.6	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	8,981	17.2	-	37.7	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	8,235	14.9	-	32.7	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	167.2	21,140	17.0	-	33.4	-	SOLAR	-	-	-	-	-	-
B.B.#1 (GAS)	305	66,020	29.1	95.5	47.5	-	GAS	761,211	1,022,000	777,196.8	3,078,409	4.66	4.04
B.B.#1 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	305	66,020	29.1	95.5	47.5	11,772	-	-	-	777,196.8	3,078,409	4.66	-
B.B.#2 (GAS)	340	61,799	24.4	100.0	38.2	-	GAS	742,066	1,022,000	757,649.2	3,000,981	4.86	4.04
B.B.#2 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	340	61,799	24.4	100.0	38.2	12,260	-	-	-	757,649.2	3,000,981	4.86	-
B.B.#3 (GAS)	345	106,431	41.5	90.4	56.5	-	GAS	1,161,912	1,022,000	1,186,312.3	4,698,878	4.41	4.04
B.B.#3 (COAL)	345	0	0.0	90.4	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #3 TOTAL	345	106,431	41.5	90.4	56.5	11,146	-	-	-	1,186,312.3	4,698,878	4.41	-
B.B.#4 (GAS)	185	5,257	3.8	99.3	39.5	-	GAS	53,544	1,022,000	54,668.4	216,535	4.12	4.04
B.B.#4 (COAL)	437	187,307	57.6	81.0	79.7	-	COAL	79,567	22,614,380	1,799,487.3	5,807,088	3.10	72.98
BIG BEND #4 TOTAL	437	192,564	59.2	81.0	72.2	10,269	-	-	-	1,854,155.7	6,023,623	3.13	-
B.B. IGNITION	-	-	-	-	-	-	GAS	22,313	1,022,000	22,782.0	90,238	-	4.04
BIG BEND 1-4 COAL TOTAL	437	187,307	57.6	81.0	79.7	10,265	COAL	79,567	22,614,380	1,799,487.3	5,807,088	3.10	72.98
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	(78)	0.0	47.8	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BIG BEND CT #4 TOTAL	56	(78)	0.0	47.8	0.0	0	-	-	-	0.0	0	0.00	-
BIG BEND STATION TOTAL	1,483	426,736	38.7	89.3	47.1	11,010	-	-	-	4,575,314.0	16,892,129	3.96	-
POLK #1 GASIFIER	245	(2,556)	0.0	0.0	0.0	0	COAL	0	0	0.0	50,535	(1.98)	0.00
POLK #1 CT (GAS)	195	(32)	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
POLK #1 TOTAL	245	(2,588)	0.0	0.0	0.0	0	-	-	-	0.0	50,535	(1.95)	-
POLK #2 ST DUCT FIRING	120	21,353	23.9	-	88.7	8,400	GAS	102,449	1,022,000	104,600.0	710,461	3.33	6.93
POLK #2 ST W/O DUCT FIRING	341	228,386	90.0	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	249,739	72.8	95.1	72.8	-	GAS	-	-	104,600.0	710,461	0.28	-
POLK #2 CT (GAS)	150	100,269	89.8	99.5	93.6	11,172	GAS	1,097,186	1,022,000	1,120,227.0	4,437,121	4.43	4.04
POLK #2 CT (OIL)	159	92	0.1	99.5	0.0	0	LGT.OIL	172	0	0.0	21,881	23.78	127.48
POLK #2 TOTAL	150	100,361	89.9	99.5	93.7	11,162	-	-	-	1,120,227.0	4,459,002	4.44	-
POLK #3 CT (GAS)	150	101,450	90.9	100.0	97.5	10,916	GAS	1,084,650	1,022,000	1,107,427.0	4,386,421	4.32	4.04
POLK #3 CT (OIL)	159	0	0.00	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	150	101,450	90.9	100.0	97.5	10,916	-	-	-	1,107,427.0	4,386,421	4.32	-
POLK #4 (GAS)	150	103,164	92.4	100.0	97.6	10,813	GAS	1,092,611	1,022,000	1,115,556.0	4,418,620	4.28	4.04
POLK #5 (GAS)	150	84,007	75.3	79.3	98.2	10,811	GAS	889,507	1,022,000	908,187.0	3,597,249	4.28	4.04
POLK #2 CC TOTAL	1,061	638,721	80.9	94.9	85.8	6,937	GAS	-	-	4,355,997.0	17,571,753	2.75	-
POLK STATION TOTAL	1,306	636,133	65.5	77.1	69.4	6,965	-	-	-	4,355,997.0	17,622,288	2.77	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: October 2018

SCHEDULE A4
PAGE 2 OF 2
REVISED 1/14/19

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
BAYSIDE ST 1	233	76,239	44.0	77.4	56.0	-		-	-	-	-	-	-
BAYSIDE CT1A	156	50,447	43.5	71.9	78.3	11,667	GAS	576,464	1,022,000	588,570.0	2,332,141	4.62	4.05
BAYSIDE CT1B	156	37,022	31.9	71.5	82.9	11,821	GAS	428,639	1,022,000	437,640.0	1,734,101	4.68	4.05
BAYSIDE CT1C	156	54,060	46.6	80.0	77.6	11,601	GAS	614,253	1,022,000	627,152.0	2,485,020	4.60	4.05
BAYSIDE UNIT 1 TOTAL	701	217,768	41.8	77.9	53.4	7,592	GAS	1,619,356	1,022,000	1,653,362.0	6,551,262	3.01	4.05
BAYSIDE ST 2	305	144,869	63.8	94.5	63.8	-		-	-	-	-	-	-
BAYSIDE CT2A	156	49,591	42.7	98.8	80.4	11,419	GAS	554,653	1,022,000	566,301.0	2,243,903	4.52	4.05
BAYSIDE CT2B	156	55,410	47.7	100.0	82.1	11,658	GAS	632,660	1,022,000	645,946.0	2,559,488	4.62	4.05
BAYSIDE CT2C	156	69,939	60.3	78.2	80.0	11,826	GAS	810,077	1,022,000	827,088.0	3,277,246	4.69	4.05
BAYSIDE CT2D	156	92,420	79.6	100.0	79.6	11,726	GAS	1,061,427	1,022,000	1,083,717.0	4,294,107	4.65	4.05
BAYSIDE UNIT 2 TOTAL	929	412,229	59.6	98.2	59.6	7,576	GAS	3,058,817	1,022,000	3,123,052.0	12,374,744	3.00	4.05
BAYSIDE UNIT 3 TOTAL	56	83	0.2	100.0	68.4	14,398	GAS	1,170	1,022,000	1,195.0	4,735	5.70	4.05
BAYSIDE UNIT 4 TOTAL	56	49	0.1	94.6	65.6	13,714	GAS	658	1,022,000	672.0	2,663	5.43	4.05
BAYSIDE UNIT 5 TOTAL	56	280	0.7	100.0	75.8	12,336	GAS	3,383	1,022,000	3,454.0	6,859	2.45	2.03
BAYSIDE UNIT 6 TOTAL	56	372	0.9	92.5	83.6	12,013	GAS	4,377	1,022,000	4,469.0	17,708	4.76	4.05
BAYSIDE STATION TOTAL	1,854	630,781	45.7	90.4	45.7	7,588	GAS	4,687,761	1,022,000	4,786,204.0	18,957,971	3.01	4.04
B.B. IGNITION							LGT.OIL				0		
SYSTEM	4,810	1,714,790	47.9	86.3	52.5	8,115	-	-	-	13,717,515.0	53,472,388	3.12	-

LEGEND:

B.B. = BIG BEND

CT = COMBUSTION TURBINE

Footnotes:

⁽¹⁾ As burned fuel cost system total includes ignition.

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

⁽³⁾ Station Service

⁽⁴⁾ Includes adjustment to Polk Coal of \$50,534.68 for the months of July 2018 through September 2018.

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: September 2018

SCHEDULE A4
PAGE 1 OF 2
REVISED 1/14/19

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
TIA SOLAR	1.6	270	23.4	-	46.6	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,736	26.8	-	54.5	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	195	18.1	-	37.0	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	6,980	13.8	-	28.9	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	1,682	3.1	-	7.4	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	167.2	12,863	10.7	-	21.3	-	SOLAR	-	-	-	-	-	-
B.B.#1 (GAS)	305	47,322	21.5	73.1	43.8	-	GAS	568,176	1,021,000	580,107.7	2,232,089	4.72	3.93
B.B.#1 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	305	47,322	21.5	73.1	43.8	12,259	-	-	-	580,107.7	2,232,089	4.72	-
B.B.#2 (GAS)	340	102,138	41.7	98.3	41.7	-	GAS	1,214,653	1,021,000	1,240,161.1	4,771,784	4.67	3.93
B.B.#2 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	340	102,138	41.7	98.3	41.7	12,142	-	-	-	1,240,161.1	4,771,784	4.67	-
B.B.#3 (GAS)	345	77,828	31.3	68.0	44.6	-	GAS	884,633	1,021,000	903,210.2	3,475,293	4.47	3.93
B.B.#3 (COAL)	345	0	0.0	68.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #3 TOTAL	345	77,828	31.3	68.0	44.6	11,605	-	-	-	903,210.2	3,475,293	4.47	-
B.B.#4 (GAS)	185	99	0.1	98.9	3.6	-	GAS	1,046	1,021,000	1,067.6	4,109	4.15	3.93
B.B.#4 (COAL)	437	238,724	75.9	78.7	75.9	-	COAL	108,655	23,408,000	2,546,878.5	8,088,517	3.39	74.44
BIG BEND #4 TOTAL	437	238,823	75.9	78.7	75.9	10,688	-	-	-	2,547,946.1	8,092,626	3.39	-
B.B. IGNITION	-	-	-	-	-	-	GAS	14,129	1,021,000	14,426.0	55,507	-	3.93
BIG BEND 1-4 COAL TOTAL	437	238,724	75.9	78.7	75.9	10,687	COAL	108,655	23,408,000	2,546,878.5	8,088,517	3.39	74.44
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	292	0.7	75.3	72.4	13,895	GAS	3,974	1,021,000	4,057.2	15,610	5.35	3.93
BIG BEND CT #4 TOTAL	56	292	0.7	75.3	72.4	13,895	-	-	-	4,057.2	15,610	5.35	-
BIG BEND STATION TOTAL	1,483	466,403	43.7	79.4	43.7	11,321	-	-	-	5,275,482.3	18,642,909	4.00	-
POLK #1 GASIFIER	245	41,978	23.8	30.8	74.8	10,405	COAL	15,738	27,752,000	436,763.2	1,411,372	3.36	89.68
POLK #1 CT (GAS)	195	26,139	18.6	50.4	38.4	8,257	GAS	211,381	1,021,000	215,820.0	830,414	3.18	3.93
POLK #1 TOTAL	245	68,117	38.6	46.3	76.6	9,580	-	-	-	652,583.2	2,241,786	3.29	-
POLK #2 ST DUCT FIRING	120	21,744	25.2	-	88.4	8,400	GAS	178,895	1,021,000	182,652.0	702,793	3.23	3.93
POLK #2 ST W/O DUCT FIRING	341	221,691	90.3	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	243,435	73.3	97.3	74.2	-	GAS	-	-	182,652.0	702,793	0.29	-
POLK #2 CT (GAS)	150	95,370	88.3	98.9	92.8	11,274	GAS	1,053,041	1,021,000	1,075,155.0	4,136,889	4.34	3.93
POLK #2 CT (OIL)	159	0	0.0	98.9	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	150	95,370	88.3	98.9	92.8	11,274	-	-	-	1,075,155.0	4,136,889	4.34	-
POLK #3 CT (GAS)	150	94,262	87.3	98.5	95.4	11,065	GAS	1,021,533	1,021,000	1,042,985.0	4,013,108	4.26	3.93
POLK #3 CT (OIL)	159	0	0.00	98.5	0.0	0	LGT.OIL	2	0	0.0	214	0.00	107.00
POLK #3 TOTAL	150	94,262	87.3	98.5	95.4	11,065	-	-	-	1,042,985.0	4,013,322	4.26	-
POLK #4 (GAS)	150	90,577	83.9	99.4	92.5	10,937	GAS	970,221	1,021,000	990,596.0	3,811,530	4.21	3.93
POLK #5 (GAS)	150	101,247	93.7	100.0	96.3	10,922	GAS	1,083,084	1,021,000	1,105,829.0	4,254,913	4.20	3.93
POLK #2 CC TOTAL	1,061	624,891	81.8	98.4	82.7	7,037	GAS	-	-	4,397,217.0	16,919,447	2.71	-
POLK STATION TOTAL	1,306	693,008	73.7	88.6	74.5	7,287	-	-	-	5,049,800.2	19,161,233	2.76	-

(3)

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: September 2018

SCHEDULE A4
PAGE 2 OF 2
REVISED 1/14/19

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP-ABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	NET AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE BTU/KWH	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
BAYSIDE ST 1	233	103,828	61.9	99.6	61.9	-		-	-	-	-	-	-
BAYSIDE CT1A	156	68,585	61.1	98.9	80.4	11,617	GAS	780,338	1,021,000	796,725.0	3,066,470	4.47	3.93
BAYSIDE CT1B	156	63,617	56.6	100.0	80.9	11,605	GAS	723,064	1,021,000	738,248.0	2,841,402	4.47	3.93
BAYSIDE CT1C	156	59,703	53.2	100.0	85.9	11,297	GAS	660,568	1,021,000	674,440.0	2,595,814	4.35	3.93
BAYSIDE UNIT 1 TOTAL	701	295,733	58.6	99.9	58.6	7,471	GAS	2,163,970	1,021,000	2,209,413.0	8,503,686	2.88	3.93
BAYSIDE ST 2	305	136,529	62.2	92.6	62.2	-		-	-	-	-	-	-
BAYSIDE CT2A	156	52,123	46.4	100.0	83.6	11,217	GAS	572,648	1,021,000	584,674.0	2,250,317	4.32	3.93
BAYSIDE CT2B	156	48,435	43.1	100.0	83.1	11,430	GAS	542,210	1,021,000	553,596.0	2,130,706	4.40	3.93
BAYSIDE CT2C	156	65,404	58.2	70.7	82.4	11,483	GAS	735,588	1,021,000	751,035.0	2,890,617	4.42	3.93
BAYSIDE CT2D	156	91,596	81.5	100.0	81.5	11,459	GAS	1,027,970	1,021,000	1,049,557.0	4,039,582	4.41	3.93
BAYSIDE UNIT 2 TOTAL	929	394,087	58.9	97.6	58.9	7,457	GAS	2,878,416	1,021,000	2,938,862.0	11,311,222	2.87	3.93
BAYSIDE UNIT 3 TOTAL	56	578	1.4	91.9	104.4	11,689	GAS	6,617	1,021,000	6,756.0	26,003	4.50	3.93
BAYSIDE UNIT 4 TOTAL	56	231	0.6	100.0	87.8	11,359	GAS	2,570	1,021,000	2,624.0	10,099	4.37	3.93
BAYSIDE UNIT 5 TOTAL	56	801	2.0	100.0	83.4	11,205	GAS	8,790	1,021,000	8,975.0	34,543	4.31	3.93
BAYSIDE UNIT 6 TOTAL	56	612	1.5	100.0	93.4	10,938	GAS	6,556	1,021,000	6,694.0	25,764	4.21	3.93
BAYSIDE STATION TOTAL	1,854	692,042	51.8	98.5	51.8	7,475	GAS	5,066,919	1,021,000	5,173,324.0	19,911,317	2.88	3.93
B.B. IGNITION							LGT.OIL				0		
SYSTEM	4,810	1,864,316	53.8	89.6	54.9	8,316	-	-	-	15,498,606.5	57,715,459	3.10	-

LEGEND:
B.B. = BIG BEND
CT = COMBUSTION TURBINE

CC = COMBINED CYCLE
ST = STEAM TURBINE

Footnotes:
⁽¹⁾ As burned fuel cost system total includes ignition.
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition.
⁽³⁾ Maintenance testing, did not generate mwh's