

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

June 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

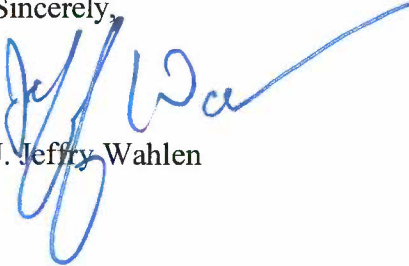
Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's Schedules A1 - A9
& A12 for the month of May 2019 as well as the following revised pages:

Schedule A3	April 2019	2 Pages
Schedule A4	April 2019	2 Pages
Schedule A4	March 2019	2 Pages
Schedule A4	February 2019	2 Pages
Schedule A4	January 2019	2 Pages

Thank you for your assistance in connection with this matter.

Sincerely,



J. Jeffrey Wahlen

JJJW/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 June, 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

Includes Mid-Course Estimates for Month and PTD May 2019

1. Schedule A1 - A9 & A12	May 2019	16 Pages
2. List of Acronyms		1 Page
3. Schedule A3 Revised	April 2019	2 Pages
4. Schedule A4 Revised	April 2019	2 Pages
5. Schedule A4 Revised	March 2019	2 Pages
6. Schedule A4 Revised	February 2019	2 Pages
7. Schedule A4 Revised	January 2019	2 Pages

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	50,800,286	48,860,560	1,939,726	4.0%	1,929,872	1,792,280	137,592	7.7%	2.63231	2.72617	(0.09385)	-3.4%
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	375,113	375,113	0	0.0%	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)	51,175,399	49,235,673	1,939,726	3.9%	1,929,872	1,792,280	137,592	7.7%	2.65175	2.74710	(0.09535)	-3.5%
6. Fuel Cost of Purchased Power - Firm (A7)	26,772	0	26,772	0.0%	1,226	0	1,226	0.0%	2.18369	0.00000	2.18369	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	1,569,479	575,020	994,459	172.9%	43,345	14,070	29,275	208.1%	3.62090	4.08685	(0.46595)	-11.4%
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)	380,746	224,660	156,086	69.5%	18,178	7,540	10,638	141.1%	2.09454	2.97958	(0.88503)	-29.7%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	1,976,997	799,680	1,177,317	147.2%	62,749	21,610	41,139	190.4%	3.15064	3.70051	(0.54987)	-14.9%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,992,621	1,813,890	178,731	9.9%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	43,994	21,730	22,264	102.5%	2,232	930	1,302	140.0%	1.97106	2.33656	(0.36550)	-15.6%
15. Fuel Cost of Sch. C/CB Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	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)	321,377	39,460	281,917	714.4%	12,516	1,050	11,466	1092.0%	2.56773	3.75810	(1.19037)	-31.7%
18. Gains on Sales	197,144	5,039	192,105	3812.4%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	562,515	66,229	496,286	749.3%	14,748	1,980	12,768	644.8%	3.81418	3.34490	0.46928	14.0%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					203	0	203	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					6,824	0	6,824	0.0%				
22. Interchange and Wheeling Losses					7,175	47	7,128	15258.7%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	52,589,881	49,969,124	2,620,757	5.2%	1,977,725	1,811,863	165,862	9.2%	2.65911	2.75789	(0.09878)	-3.6%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	6,400,132 (a)	4,264,960 (a)	2,135,172	50.1%	240,687	154,646	86,041	55.6%	2.65911	2.75789	(0.09878)	-3.6%
25. Company Use	77,433 (a)	85,494 (a)	(8,061)	-9.4%	2,912	3,100	(188)	-6.1%	2.65910	2.75787	(0.09877)	-3.6%
26. T & D Losses	2,306,140 (a)	2,423,362 (a)	(117,222)	-4.8%	86,726	87,870	(1,144)	-1.3%	2.65911	2.75789	(0.09878)	-3.6%
27. System KWH Sales	52,589,881	49,969,124	2,620,757	5.2%	1,647,400	1,566,247	81,153	5.2%	3.19230	3.19037	0.00192	0.1%
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	52,589,881	49,969,124	2,620,757	5.2%	1,647,400	1,566,247	81,153	5.2%	3.19230	3.19037	0.00192	0.1%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	52,589,881	49,969,124	2,620,757	5.2%	1,647,400	1,566,247	81,153	5.2%	3.19230	3.19037	0.00192	0.1%
32. Adjustment-BB Unit 2 Outage Replacement Power Cost T-up	0	0	0	0.0%	1,647,400	1,566,247	81,153	5.2%	0.00000	0.00000	0.00000	0.0%
33. True-up *	3,949,496	3,949,496	0	0.0%	1,647,400	1,566,247	81,153	5.2%	0.23974	0.25216	(0.01242)	-4.9%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	56,539,377	53,918,620	2,620,757	4.9%	1,647,400	1,566,247	81,153	5.2%	3.43204	3.44254	(0.01050)	-0.3%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	56,580,085	53,957,441	2,622,644	4.9%	1,647,400	1,566,247	81,153	5.2%	3.43451	3.44501	(0.01050)	-0.3%
37. GPIF * (Already Adjusted for Taxes)	(188,418)	(188,418)	0	0.0%	1,647,400	1,566,247	81,153	5.2%	(0.01144)	(0.01203)	0.00059	-4.9%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	56,391,667	53,769,023	2,622,644	4.9%	1,647,400	1,566,247	81,153	5.2%	3.42307	3.43298	(0.00991)	-0.3%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.423	3.433	(0.010)	-0.3%

* 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: May 2019

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	222,657,463	245,306,977	(22,649,514)	-9.2%	7,685,643	7,605,290	80,353	1.1%	2.89706	3.22548	(0.32842)	-10.2%
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	1,897,399	1,897,399	0	0.0%	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)	224,554,862	247,204,376	(22,649,514)	-9.2%	7,685,643	7,605,290	80,353	1.1%	2.92174	3.25043	(0.32868)	-10.1%
6. Fuel Cost of Purchased Power - Firm (A7)	202,904	0	202,904	0.0%	3,122	0	3,122	0.0%	6.49917	0.00000	6.49917	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	6,694,034	2,560,990	4,133,044	161.4%	149,884	58,650	91,234	155.6%	4.46614	4.36656	0.09958	2.3%
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)	1,990,776	1,104,030	886,746	80.3%	86,726	37,600	49,126	130.7%	2.29548	2.93625	(0.64077)	-21.8%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	8,887,714	3,665,020	5,222,694	142.5%	239,732	96,250	143,482	149.1%	3.70735	3.80781	(0.10046)	-2.6%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					7,925,375	7,701,540	223,835	2.9%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	304,851	126,690	178,161	140.6%	14,811	4,370	10,441	238.9%	2.05827	2.89908	(0.84081)	-29.0%
15. Fuel Cost of Sch. C/CB Sales (A6)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	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)	494,775	202,553	292,222	144.3%	20,167	5,070	15,097	297.8%	2.45339	3.99513	(1.54174)	-38.6%
18. Gains on Sales	294,355	26,628	267,727	1005.4%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	1,093,981	355,871	738,110	207.4%	34,978	9,440	25,538	270.5%	3.12763	3.76982	(0.64219)	-17.0%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					338	0	338	0.0%				
21. Wheeling Rec'd. less Wheeling Delv'd.					13,757	0	13,757	0.0%				
22. Interchange and Wheeling Losses					14,577	222	14,355	6475.1%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	232,348,595	250,513,525	(18,164,930)	-7.3%	7,889,915	7,691,878	198,037	2.6%	2.94488	3.25686	(0.31198)	-9.6%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	6,812,884 (a)	3,295,222 (a)	3,517,662	106.8%	254,206	148,431	105,775	71.3%	2.68006	2.22004	0.46003	20.7%
25. Company Use	431,500 (a)	509,530 (a)	(78,030)	-15.3%	14,542	15,500	(958)	-6.2%	2.96727	3.28729	(0.32002)	-9.7%
26. T & D Losses	11,081,288 (a)	11,739,369 (a)	(658,081)	-5.6%	374,338	355,239	19,099	5.4%	2.96024	3.30464	(0.34440)	-10.4%
27. System KWH Sales	232,348,595	250,513,525	(18,164,930)	-7.3%	7,246,829	7,172,708	74,121	1.0%	3.20621	3.49259	(0.28638)	-8.2%
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	232,348,595	250,513,525	(18,164,930)	-7.3%	7,246,829	7,172,708	74,121	1.0%	3.20621	3.49259	(0.28638)	-8.2%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	232,348,595	250,513,525	(18,164,930)	-7.3%	7,246,829	7,172,708	74,121	1.0%	3.20621	3.49259	(0.28638)	-8.2%
32. Adjustments - Schedule A2, page 2, lines 6c and 7a	0	0	0	0.0%	7,246,829	7,172,708	74,121	1.0%	0.00000	0.00000	0.00000	0.0%
33. True-up *	6,145,120	6,145,120	0	0.0%	7,246,829	7,172,708	74,121	1.0%	0.08480	0.08567	(0.00088)	-1.0%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	238,493,715	256,658,645	(18,164,930)	-7.1%	7,246,829	7,172,708	74,121	1.0%	3.29101	3.57827	(0.28726)	-8.0%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	238,665,431	256,843,438	(18,178,007)	-7.1%	7,246,829	7,172,708	74,121	1.0%	3.29338	3.58084	(0.28746)	-8.0%
37. GPIF * (Already Adjusted for Taxes)	(942,090)	(942,090)	0	0.0%	7,246,829	7,172,708	74,121	1.0%	(0.01300)	(0.01313)	0.00013	-1.0%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	237,723,341	255,901,348	(18,178,007)	-7.1%	7,246,829	7,172,708	74,121	1.0%	3.28038	3.56771	(0.28733)	-8.1%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.280	3.568	(0.288)	-8.1%

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

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

	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	50,800,286	48,860,560	1,939,726	4.0%	222,657,463	245,306,977	(22,649,514)	-9.2%
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0%	0	0	0	0.0%
2. FUEL COST OF POWER SOLD	365,371	61,190	304,181	497.1%	799,626	329,243	470,383	142.9%
2a. GAINS FROM SALES	197,144	5,039	192,105	3812.4%	294,355	26,628	267,727	1005.4%
3. FUEL COST OF PURCHASED POWER	26,772	0	26,772	0.0%	202,904	0	202,904	0.0%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	380,746	224,660	156,086	69.5%	1,990,776	1,104,030	886,746	80.3%
4. ENERGY COST OF ECONOMY PURCHASES	1,569,479	575,020	994,459	172.9%	6,694,034	2,560,990	4,133,044	161.4%
5. TOTAL FUEL & NET POWER TRANSACTION	52,214,768	49,594,011	2,620,757	5.3%	230,451,196	248,616,126	(18,164,930)	-7.3%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	375,113	375,113	0	0.0%	1,897,399	1,897,399	0	0.0%
6b. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%
6c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%
7. ADJUSTED TOTAL FUEL & NET PWR.TRANS.	<u>52,589,881</u>	<u>49,969,124</u>	<u>2,620,757</u>	<u>5.2%</u>	<u>232,348,595</u>	<u>250,513,525</u>	<u>(18,164,930)</u>	<u>-7.3%</u>
B. MWH SALES								
1. JURISDICTIONAL SALES	1,647,400	1,566,247	81,153	5.2%	7,246,829	7,172,708	74,121	1.0%
2. NONJURISDICTIONAL SALES	0	0	0	0.0%	0	0	0	0.0%
3. TOTAL SALES	<u>1,647,400</u>	<u>1,566,247</u>	<u>81,153</u>	<u>5.2%</u>	<u>7,246,829</u>	<u>7,172,708</u>	<u>74,121</u>	<u>1.0%</u>
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: May 2019

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	52,821,605	50,265,857	2,555,748	5.1%	208,794,819	207,168,525	1,626,294	0.8%
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0%	0	0	0	0.0%
2a. TRUE-UP PROVISION	(3,949,496)	(3,949,496)	0	0.0%	(6,145,120)	(6,145,120)	0	0.0%
2b. GPIF PROVISION	188,418	188,418	0	0.0%	942,090	942,090	0	0.0%
2c. ADJUSTMENT	0	0	0	0.0%	0	0	0	0.0%
3. JURIS. FUEL REVENUE APPL. TO PERIOD	49,060,527	46,504,779	2,555,748	5.5%	203,591,789	201,965,495	1,626,294	0.8%
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	52,589,881	49,969,124	2,620,757	5.2%	232,348,595	250,513,525	(18,164,930)	-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.	52,589,881	49,969,124	2,620,757	5.2%	232,348,595	250,513,525	(18,164,930)	-7.3%
6a. JURISDIC. LOSS MULTIPLIER	1.00000	1.00000	0.00000	0.0%	-	-	-	-
6b. (LINE C6 x LINE C6a)	52,589,881	49,969,124	2,620,757	5.2%	232,348,595	250,513,525	(18,164,930)	-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)	52,589,881	49,969,124	2,620,757	5.2%	232,348,595	250,513,525	(18,164,930)	-7.3%
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	(3,529,354)	(3,464,345)	(65,009)	1.9%	(28,756,806)	(48,548,030)	19,791,224	-40.8%
8. INTEREST PROVISION FOR THE MONTH	(121,034)	(88,342)	(32,692)	37.0%	(544,137)	(369,601)	(174,536)	47.2%
9. TRUE-UP & INT. PROV. BEG. OF MONTH	(60,425,840)	(36,153,835)	(24,272,005)	67.1%	-----NOT APPLICABLE-----			
10. TRUE-UP COLLECTED (REFUNDED)	3,949,496	3,949,496	0	0.0%	-----NOT APPLICABLE-----			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	(60,126,732)	(35,757,026)	(24,369,706)	68.2%	-----NOT APPLICABLE-----			

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	(60,425,840)	(36,153,835)	(24,272,005)	67.1%				NOT APPLICABLE
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	<u>(60,005,698)</u>	<u>(35,668,684)</u>	<u>(24,337,014)</u>	<u>68.2%</u>				NOT APPLICABLE
3. TOTAL BEG. & END. TRUE-UP AMOUNT	<u>(120,431,538)</u>	<u>(71,822,519)</u>	<u>(48,609,019)</u>	<u>67.7%</u>				NOT APPLICABLE
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	(60,215,769)	(35,911,260)	(24,304,509)	67.7%				NOT APPLICABLE
5. INT. RATE-FIRST DAY REP. BUS. MONTH	2.430	2.950	(0.520)	-17.6%				NOT APPLICABLE
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	<u>2.390</u>	<u>2.950</u>	<u>(0.560)</u>	<u>-19.0%</u>				NOT APPLICABLE
7. TOTAL (LINE D5 + LINE D6)	<u>4.820</u>	<u>5.900</u>	<u>(1.080)</u>	<u>-18.3%</u>				NOT APPLICABLE
8. AVERAGE INT. RATE (50% OF LINE D7)	2.410	2.950	(0.540)	-18.3%				NOT APPLICABLE
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.201	0.246	(0.045)	-18.3%				NOT APPLICABLE
10. INT. PROVISION (LINE D4 x LINE D9)	<u>(121,034)</u>	<u>(88,342)</u>	<u>(32,692)</u>	<u>37.0%</u>				NOT APPLICABLE

5

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

	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	17,030	0	17,030	0.0%	17,030	142,781	(125,751)	-88.1%
3 COAL	5,057,428	4,540,414	517,014	11.4%	19,094,361	25,310,320	(6,215,959)	-24.6%
4 NATURAL GAS	45,725,828	44,320,146	1,405,682	3.2%	203,546,072	219,853,876	(16,307,804)	-7.4%
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 (\$)	50,800,286	48,860,560	1,939,726	4.0%	222,657,463	245,306,977	(22,649,514)	-9.2%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	67	0	67	0.0%	67	600	(533)	-88.8%
10 COAL	133,016	129,550	3,466	2.7%	508,883	799,840	(290,957)	-36.4%
11 NATURAL GAS	1,718,336	1,549,730	168,606	10.9%	6,865,523	6,348,740	516,783	8.1%
12 SOLAR	78,453	113,000	(34,547)	-30.6%	311,170	456,110	(144,940)	-31.8%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,929,872	1,792,280	137,592	7.7%	7,685,643	7,605,290	80,353	1.1%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	133	0	133	0.0%	133	1,120	(987)	-88.1%
17 COAL (TON)	65,724	67,000	(1,276)	-1.9%	240,118	380,350	(140,232)	-36.9%
18 NATURAL GAS (MCF)	13,438,626	11,254,150	2,184,476	19.4%	54,434,762	45,811,890	8,622,872	18.8%
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	779	0	779	0.0%	779	6,460	(5,681)	-87.9%
23 COAL	1,518,292	1,507,460	10,832	0.7%	5,608,390	8,558,000	(2,949,610)	-34.5%
24 NATURAL GAS	13,720,837	11,556,350	2,164,487	18.7%	55,535,522	47,001,910	8,533,612	18.2%
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)	15,239,908	13,063,810	2,176,098	16.7%	61,144,691	55,566,370	5,578,321	10.0%
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%	0.00%	0.00%	0.0%	0.00%	0.01%	-0.01%	-89.0%
30 COAL	6.89%	7.23%	-0.34%	-4.6%	6.62%	10.52%	-3.90%	-37.0%
31 NATURAL GAS	89.04%	86.47%	2.57%	3.0%	89.33%	83.48%	5.85%	7.0%
32 SOLAR	4.07%	6.30%	-2.24%	-35.5%	4.05%	6.00%	-1.95%	-32.5%
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)	128.05	0.00	128.05	0.0%	128.05	127.48	0.56	0.4%
37 COAL (\$/TON)	76.95	67.77	9.18	13.5%	79.52	66.54	12.98	19.5%
38 NATURAL GAS (\$/MCF)	3.40	3.94	(0.54)	-13.6%	3.74	4.80	(1.06)	-22.1%
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	21.86	0.00	21.86	0.0%	21.86	22.10	(0.24)	-1.1%
43 COAL	3.33	3.01	0.32	10.6%	3.40	2.96	0.45	15.1%
44 NATURAL GAS	3.33	3.84	(0.50)	-13.1%	3.67	4.68	(1.01)	-21.6%
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)	3.33	3.74	(0.41)	-10.9%	3.64	4.41	(0.77)	-17.5%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

	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	11,627	0	11,627	0.0%	11,627	10,767	860	8.0%
50 COAL	11,414	11,636	(222)	-1.9%	11,021	10,700	321	3.0%
51 NATURAL GAS	7,985	7,457	528	7.1%	8,089	7,403	686	9.3%
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)	7,897	7,289	608	8.3%	7,956	7,306	650	8.9%
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	25.42	0.00	25.42	0.0%	25.42	23.80	1.62	6.8%
57 COAL	3.80	3.50	0.30	8.6%	3.75	3.16	0.59	18.7%
58 NATURAL GAS	2.66	2.86	(0.20)	-7.0%	2.96	3.46	(0.50)	-14.5%
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)	2.63	2.73	(0.10)	-3.7%	2.90	3.23	(0.33)	-10.2%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

(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	323	27.1	-	43.2	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	4,508	31.2	-	63.4	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	247	22.1	-	44.5	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	12,009	23.0	-	47.7	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	12,908	23.3	-	48.7	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	4,335	7.8	-	35.3	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	12,026	26.5	-	54.3	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	11,736	28.5	-	60.6	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	9,119	32.7	-	65.0	-	SOLAR	-	-	-	-	-	-
LAKE HANCOCK	49.5	11,242	30.5	-	57.7	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	445.2	78,453	23.7	-	37.8	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	305	61,574	27.1	96.5	42.7	13,901	GAS	838,350	1,021,000	855,955.1	2,852,112	4.63	3.40
BIG BEND #2 TOTAL	340	111,926	44.2	99.9	44.2	12,764	GAS	1,399,285	1,021,000	1,428,670.6	4,760,449	4.25	3.40
B.B.#3 (COAL)	395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
B.B.#3 (GAS)	345	37,128	14.5	41.6	68.2	-	GAS	382,911	1,021,000	390,951.8	1,302,684	3.51	3.40
BIG BEND #3 TOTAL	345	37,128	14.5	41.6	68.2	10,530	-	-	-	390,951.8	1,302,684	3.51	-
B.B.#4 (COAL)	437	135,386	41.6	26.1	58.6	-	COAL	65,724	23,101,025	1,518,291.8	4,953,944	3.66	75.37
B.B.#4 (GAS)	185	2,549	1.9	26.1	55.1	-	GAS	28,362	1,021,000	28,957.6	96,491	3.79	3.40
BIG BEND #4 TOTAL	437	137,935	42.4	26.1	57.0	11,217	-	-	-	1,547,249.4	5,050,435	3.66	-
B.B. IGNITION	-	-	-	-	-	-	GAS	30,418	0	31,057.0	103,484	-	3.40
BIG BEND CT #4 TOTAL	61	102	0.2	89.0	37.2	27,295	GAS	2,727	1,021,000	2,784.1	9,277	9.10	3.40
BIG BEND STATION TOTAL	1,488	348,665	31.5	63.5	31.5	12,119	-	-	-	4,225,611.0	14,078,441	4.04	-
POLK #1 GASIFIER	220	(2,370)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	150	54,244	47.1	69.1	69.7	12,118	GAS	643,795	1,021,000	657,315.0	2,190,228	2.82	3.40
POLK #1 ST	85	23,415	35.9	68.4	52.5	0	-	-	-	-	-	-	-
POLK #1 TOTAL	235	75,289	43.1	68.9	62.9	8,731	-	-	-	657,315.0	2,190,228	2.91	-
POLK #2 ST DUCT FIRING	120	15,731	17.6	-	86.5	8,400	GAS	129,427	1,021,000	132,145.0	440,318	2.80	3.40
POLK #2 ST W/O DUCT FIRING	341	181,164	71.4	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	196,895	57.4	99.1	86.5	-	GAS	-	-	132,145.0	440,318	0.22	-
POLK #2 CT (GAS)	150	74,786	67.1	100.0	89.9	11,301	GAS	827,738	1,021,000	845,121.0	2,816,013	3.77	3.40
POLK #2 CT (OIL)	159	67	0.1	100.0	34.2	11,558	LGT.OIL	133	5,830	778.8	17,030	25.42	128.05
POLK #2 TOTAL	150	74,853	67.1	100.0	89.9	11,290	-	-	-	845,899.8	2,833,043	3.78	-
POLK #3 CT (GAS)	150	79,495	71.2	98.9	92.2	11,227	GAS	874,129	1,021,000	892,486.0	2,973,837	3.74	3.40
POLK #3 CT (OIL)	159	0	0.00	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	150	79,495	71.2	98.9	92.2	11,227	-	-	-	892,486.0	2,973,837	3.74	-
POLK #4 TOTAL	150	87,460	78.4	100.0	94.4	10,939	GAS	937,018	1,021,000	956,695.0	3,187,786	3.64	3.40
POLK #5 TOTAL	150	78,560	70.4	100.0	93.4	10,985	GAS	845,257	1,021,000	863,007.0	2,875,610	3.66	3.40
POLK #2 CC TOTAL	1,061	517,264	65.5	99.4	65.5	7,133	GAS	-	-	3,690,232.8	12,310,594	2.38	-
POLK STATION TOTAL	1,296	592,553	61.5	93.9	61.5	7,336	-	-	-	4,347,547.8	14,500,822	2.45	-

(3)

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

(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	125,774	72.6	93.9	72.6	-		-	-	-	-	-	-
BAYSIDE CT1A	156	67,968	58.6	82.9	82.1	11,444	GAS	761,814	1,021,000	777,812.2	2,592,535	3.81	3.40
BAYSIDE CT1B	156	76,811	66.2	99.0	82.8	11,397	GAS	857,430	1,021,000	875,436.1	2,917,927	3.80	3.40
BAYSIDE CT1C	156	87,041	75.0	100.0	82.3	11,148	GAS	950,364	1,021,000	970,321.5	3,234,191	3.72	3.40
BAYSIDE UNIT 1 TOTAL	701	357,594	68.6	93.9	68.6	7,337	GAS	2,569,608	1,021,000	2,623,569.8	8,744,653	2.45	3.40
BAYSIDE ST 2	305	192,840	85.0	99.6	85.0	-		-	-	-	-	-	-
BAYSIDE CT2A	156	87,144	75.1	98.9	101.1	11,052	GAS	943,342	1,021,000	963,152.1	3,210,295	3.68	3.40
BAYSIDE CT2B	156	77,535	66.8	99.6	84.3	11,233	GAS	853,008	1,021,000	870,921.4	2,902,878	3.74	3.40
BAYSIDE CT2C	156	97,023	83.6	100.0	83.6	11,351	GAS	1,078,615	1,021,000	1,101,266.5	3,670,644	3.78	3.40
BAYSIDE CT2D	183	96,937	71.2	100.0	71.2	11,295	GAS	1,072,344	1,021,000	1,094,862.9	3,649,302	3.76	3.40
BAYSIDE UNIT 2 TOTAL	956	551,479	77.5	99.6	77.5	7,308	GAS	3,947,309	1,021,000	4,030,202.8	13,433,119	2.44	3.40
BAYSIDE UNIT 3 TOTAL	56	257	0.6	97.8	84.5	11,803	GAS	2,971	1,021,000	3,033.3	10,110	3.93	3.40
BAYSIDE UNIT 4 TOTAL	56	210	0.5	97.6	89.9	11,221	GAS	2,308	1,021,000	2,356.5	7,854	3.74	3.40
BAYSIDE UNIT 5 TOTAL	56	324	0.8	97.6	75.3	11,933	GAS	3,787	1,021,000	3,866.3	12,887	3.98	3.40
BAYSIDE UNIT 6 TOTAL	56	337	0.8	97.2	89.7	11,039	GAS	3,644	1,021,000	3,720.2	12,400	3.68	3.40
BAYSIDE STATION TOTAL	1,881	910,201	65.0	97.3	65.0	7,324	GAS	6,529,627	1,021,000	6,666,748.9	22,221,023	2.44	3.40
6 SYSTEM	5,110	1,929,872	50.8	85.6	52.5	7,896	-	-	-	15,239,907.6	50,800,286	2.63	-

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

**SYSTEM GENERATED FUEL COST
INVENTORY ANALYSIS
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019**

**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)	133	0	133	0.0%	133	1,120	(987)	-88.1%
21 UNIT COST (\$/BBL)	128.05	0.00	128.05	0.0%	128.05	127.48	0.56	0.4%
22 AMOUNT (\$)	17,030	0	17,030	0.0%	17,030	142,781	(125,751)	-88.1%
23 ENDING INVENTORY:								
24 UNITS (BBL)	43,865	42,878	987	2.3%	43,865	42,878	987	2.3%
25 UNIT COST (\$/BBL)	127.48	127.48	(0.00)	0.0%	127.48	127.48	(0.00)	0.0%
26 AMOUNT (\$)	5,592,025	5,466,274	125,751	2.3%	5,592,025	5,466,274	125,751	2.3%
27								
28 DAYS SUPPLY: NORMAL	6	6	0	0.0%	-	-	-	-
29 DAYS SUPPLY: EMERGENCY	6	6	0	0.0%	-	-	-	-
COAL⁽²⁾								
30 PURCHASES:								
31 UNITS (TONS)	101,004	55,000	46,004	83.6%	245,403	295,000	(49,597)	-16.8%
32 UNIT COST (\$/TON)	69.47	69.48	(0.01)	0.0%	68.06	68.31	(0.25)	-0.4%
33 AMOUNT (\$)	7,017,109	3,821,575	3,195,534	83.6%	16,702,408	20,152,363	(3,449,955)	-17.1%
34 BURNED:								
35 UNITS (TONS)	65,724	67,000	(1,276)	-1.9%	240,118	380,350	(140,232)	-36.9%
36 UNIT COST (\$/TON)	76.95	67.77	9.18	13.5%	79.52	66.54	12.98	19.5%
37 AMOUNT (\$)	5,057,428	4,540,414	517,014	11.4%	19,094,361	25,310,320	(6,215,959)	-24.6%
38 ENDING INVENTORY:								
39 UNITS (TONS)	358,090	315,868	42,222	13.4%	358,090	315,868	42,222	13.4%
40 UNIT COST (\$/TON)	70.83	74.10	(3.27)	-4.4%	70.83	74.10	(3.27)	-4.4%
41 AMOUNT (\$)	25,363,274	23,406,081	1,957,193	8.4%	25,363,274	23,406,081	1,957,193	8.4%
42								
43 DAYS SUPPLY:	166	147	19	10.0%	-	-	-	-
NATURAL GAS⁽³⁾								
44 PURCHASES:								
45 UNITS (MCF)	13,471,550	11,643,255	1,828,295	15.7%	54,446,321	46,207,086	8,239,235	17.8%
46 UNIT COST (\$/MCF)	3.41	3.89	(0.49)	-12.5%	3.54	4.77	(1.24)	-25.9%
47 AMOUNT (\$)	45,902,802	45,327,186	575,616	1.3%	192,473,251	220,576,061	(28,102,810)	-12.7%
48 BURNED:								
49 UNITS (MCF)	13,438,626	11,254,150	2,184,476	19.4%	54,434,762	45,811,890	8,622,872	18.8%
50 UNIT COST (\$/MCF)	3.40	3.94	(0.54)	-13.6%	3.74	4.80	(1.06)	-22.1%
51 AMOUNT (\$)	45,725,828	44,320,146	1,405,682	3.2%	203,546,072	219,853,876	(16,307,804)	-7.4%
52 ENDING INVENTORY:								
53 UNITS (MCF)	442,493	826,848	(384,355)	-46.5%	442,493	826,848	(384,355)	-46.5%
54 UNIT COST (\$/MCF)	3.18	2.80	0.38	13.6%	3.18	2.80	0.38	13.6%
55 AMOUNT (\$)	1,408,176	2,316,425	(908,249)	-39.2%	1,408,176	2,316,425	(908,249)	-39.2%
56								
57 DAYS SUPPLY:	1	3	(2)	-66.7%	-	-	-	-
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: May 2019

SCHEDULE A5
PAGE 2 OF 2

	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%	-	-	-	-	

(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	15,994
NON-INV EXPENSE	368,576
BIG BEND #2 IGNITION	0
BIG BEND NG IGNITION	103,484
POLK NG IGNITION	0
AERIAL SURVEY ADJ	0
ADDITIVES	0
TOTAL	488,054

(3) RECONCILIATION - NATURAL GAS

DIFFERENCE IN ENDING INVENTORY DOLLARS DUE TO:

	UNITS	DOLLARS
ADDITIVES	0	0
BIG BEND NG IGNITION	0	(103,484)
POLK NG IGNITION	0	0
INVENTORY ADJ	0	0
TOTAL	0	(103,484)

POWER SOLD
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

(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	930.0	0.0	930.0	2.337	2.454	21,730.00	22,819.00	1,089.00
VARIOUS	JURISD.	MKT.BASE	1,050.0	0.0	1,050.0	3.758	4.134	39,459.69	43,410.00	3,950.31
TOTAL			1,980.0	0.0	1,980.0	3.090	3.345	61,189.69	66,229.00	5,039.31
ACTUAL:										
SEMINOLE ELEC. PRECO-1	JURISD.	SCH. - D	2,231.0	0.0	2,231.0	1.972	2.169	43,994.38	48,393.82	2,203.76
FLORIDA POWER & LIGHT		SCH. - MA	7,315.0	0.0	7,315.0	2.556	4.617	186,944.30	337,743.73	136,574.03
DUKE ENERGY FLORIDA		SCH. - MA	1,200.0	0.0	1,200.0	2.522	3.428	30,264.00	41,131.31	12,307.31
CITY OF LAKELAND		SCH. - MA	210.0	0.0	210.0	2.551	4.127	5,357.10	8,667.42	2,890.32
NEW SMYRNA BEACH		SCH. - MA	54.0	0.0	54.0	2.383	4.174	1,286.94	2,254.16	877.52
ORLANDO UTILITIES		SCH. - MA	2,870.0	0.0	2,870.0	2.645	3.801	75,924.10	109,096.58	29,419.68
THE ENERGY AUTHORITY		SCH. - MA	867.0	0.0	867.0	2.491	4.192	21,600.64	36,346.74	12,870.75
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			14,747.0	0.0	14,747.0	2.478	3.958	365,371.46	583,633.76	197,143.37
ADJUSTMENTS TO PRIOR MONTHS:										
SEMINOLE ELEC. PRECO-1	Apr 2019	SCH. - D	(3,315.0)	0.0	(3,315.0)	1.836	2.019	(60,852.52)	(66,937.77)	(3,631.07)
SEMINOLE ELEC. PRECO-1	Apr 2019	SCH. - D	3,316.0	0.0	3,316.0	1.835	2.019	60,852.52	66,937.77	3,631.07
SUB-TOTAL ADJUSTMENTS			1.0	0.0	1.0	0.000	0.000	0.00	0.00	0.00
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.			2,232.0	0.0	2,232.0	1.971	2.168	43,994.38	48,393.82	2,203.76
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			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
SUB-TOTAL SCHEDULE MA POWER SALES-JURISD.			12,516.0	0.0	12,516.0	2.568	4.276	321,377.08	535,239.94	194,939.61
SUB-TOTAL OATT POWER SALES			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TOTAL			14,748.0	0.0	14,748.0	2.477	3.957	365,371.46	583,633.76	197,143.37
CURRENT MONTH:										
DIFFERENCE			12,768.0	0.0	12,768.0	(0.613)	0.612	304,181.77	517,404.76	192,104.06
DIFFERENCE %			644.8%	0.0%	644.8%	-19.8%	18.3%	497.1%	781.2%	3812.1%
PERIOD TO DATE:										
ACTUAL			34,979.2	1.2	34,978.0	2.286	3.263	799,626.60	1,141,484.75	294,355.20
ESTIMATED			9,440.0	0.0	9,440.0	3.488	3.770	329,242.47	355,871.00	26,628.53
DIFFERENCE			25,539.2	1.2	25,538.0	(1.202)	(0.507)	470,384.13	785,613.75	267,726.67
DIFFERENCE %			270.5%	0.0%	270.5%	-34.5%	-13.4%	142.9%	220.8%	1005.4%

**PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019**

(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:								
VARIOUS		0.0	0.0	0.0	0.0	0.000	0.000	0.00
TOTAL		0.0	0.0	0.0	0.0	0.000	0.000	0.00
ACTUAL:								
DUKE ENERGY FLORIDA	OATT	1,226.0	0.0	0.0	1,226.0	2.184	2.184	26,772.26
SUB-TOTAL CURRENT MONTH		1,226.0	0.0	0.0	1,226.0	2.184	2.184	26,772.26
NO ADJUSTMENTS TO PRIOR MONTHS								
SUB-TOTAL SCHEDULE D PURCHASED POWER		0.0	0.0	0.0	0.0	0.000	0.000	0.00
SUB-TOTAL EMERGENCY A PURCHASED POWER		0.0	0.0	0.0	0.0	0.000	0.000	0.00
SUB-TOTAL SCHEDULE OATT PURCHASED POWER		1,226.0	0.0	0.0	1,226.0	2.184	2.184	26,772.26
TOTAL		1,226.0	0.0	0.0	1,226.0	2.184	2.184	26,772.26
CURRENT MONTH:								
DIFFERENCE		1,226.0	0.0	0.0	1,226.0	2.184	2.184	26,772.26
DIFFERENCE %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PERIOD TO DATE:								
ACTUAL		3,122.0	0.0	0.0	3,122.0	6.499	6.499	202,903.93
ESTIMATED		0.0	0.0	0.0	0.0	0.000	0.000	0.00
DIFFERENCE		3,122.0	0.0	0.0	3,122.0	6.499	6.499	202,903.93
DIFFERENCE %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

ENERGY PAYMENT TO QUALIFYING FACILITIES
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FROM OTHER UTILITIES	MWH FOR INTER-RUPTIBLE	MWH FOR FIRM	CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT (6)X(7A)
						(A) FUEL COST	(B) TOTAL COST	
ESTIMATED:								
VARIOUS	COGEN.							
	AS AVAIL.	7,540.0	0.0	0.0	7,540.0	2.980	2.980	224,660.00
TOTAL		<u>7,540.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,540.0</u>	<u>2.980</u>	<u>2.980</u>	<u>224,660.00</u>
ACTUAL:								
AS AVAILABLE								
CARGILL RIDGEWOOD	COGEN.	220.0	0.0	0.0	220.0	2.074	2.074	4,562.32
CARGILL MILLPOINT	COGEN.	3,578.0	0.0	0.0	3,578.0	2.091	2.091	74,804.96
IMC-AGRICO-NEW WALES	COGEN.	47.0	0.0	0.0	47.0	2.681	2.681	1,260.28
IMC-AGRICO-S. PIERCE	COGEN.	14,332.0	0.0	0.0	14,332.0	2.094	2.094	300,087.62
SUB-TOTAL CURRENT MONTH		<u>18,177.0</u>	<u>0.0</u>	<u>0.0</u>	<u>18,177.0</u>	<u>2.094</u>	<u>2.094</u>	<u>380,715.18</u>
NET METERING		1.2	0.0	0.0	1.2	2.530	2.530	30.54
NO ADJUSTMENTS TO PRIOR MONTHS								
TOTAL INCL NET METERING		<u>18,178.2</u>	<u>0.0</u>	<u>0.0</u>	<u>18,178.2</u>	<u>2.095</u>	<u>2.095</u>	<u>380,745.72</u>
CURRENT MONTH:								
DIFFERENCE		10,638.2	0.0	0.0	10,638.2	(0.885)	(0.885)	156,085.72
DIFFERENCE %		141.1%	0.0%	0.0%	141.1%	-29.7%	-29.7%	69.5%
PERIOD TO DATE:								
ACTUAL		86,725.6	0.0	0.0	86,725.6	2.295	2.295	1,990,776.18
ESTIMATED		37,600.0	0.0	0.0	37,600.0	2.936	2.936	1,104,030.00
DIFFERENCE		49,125.6	0.0	0.0	49,125.6	(0.641)	(0.641)	886,746.18
DIFFERENCE %		130.7%	0.0%	0.0%	130.7%	-21.8%	-21.8%	80.3%

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL MWH PURCHASED	(4) MWH FOR INTERRUP- TIBLE	(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	14,070.0	0.0	14,070.0	4.087	575,020.00	5.974	840,540.00	265,520.00
TOTAL		14,070.0	0.0	14,070.0	4.087	575,020.00	5.974	840,540.00	265,520.00
ACTUAL:									
DUKE ENERGY FLORIDA	SCH. - J	1,010.0	0.0	1,010.0	6.856	69,250.00	6.856	69,250.00	0.00
FLA. POWER & LIGHT	SCH. - J	2,675.0	0.0	2,675.0	4.222	112,950.00	6.015	160,905.00	47,955.00
CITY OF LAKELAND	SCH. - J	330.0	0.0	330.0	3.900	12,870.00	3.900	12,870.00	0.00
ORLANDO UTIL. COMM.	SCH. - J	2,220.0	0.0	2,220.0	3.817	84,730.00	3.861	85,705.00	975.00
THE ENERGY AUTHORITY	SCH. - J	291.0	0.0	291.0	6.009	17,487.00	6.009	17,487.00	0.00
FMPA	SCH. - J	29,760.0	0.0	29,760.0	3.043	905,643.17	4.480	1,333,294.37	427,651.20
CITY OF TALLAHASSEE	SCH. - J	330.0	0.0	330.0	1.100	3,630.00	2.054	6,779.40	3,149.40
MORGAN STANLEY	SCH. - J	950.0	0.0	950.0	3.984	37,850.00	3.984	37,850.00	0.00
EDF TRADING	SCH. - J	25.0	0.0	25.0	3.700	925.00	3.700	925.00	0.00
EXGEN	SCH. - J	2,025.0	0.0	2,025.0	4.119	83,400.00	4.119	83,400.00	0.00
SOUTHERN COMPANY	SCH. - J	1,500.0	0.0	1,500.0	4.670	70,050.00	4.670	70,050.00	0.00
MACQUARIE ENERGY LLC	SCH. - J	2,229.0	0.0	2,229.0	7.658	170,694.00	7.658	170,694.00	0.00
SUB-TOTAL CURRENT MONTH		43,345.0	0.0	43,345.0	3.621	1,569,479.17	4.728	2,049,209.77	479,730.60
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		43,345.0	0.0	43,345.0	3.621	1,569,479.17	4.728	2,049,209.77	479,730.60
TOTAL		43,345.0	0.0	43,345.0	3.621	1,569,479.17	4.728	2,049,209.77	479,730.60
CURRENT MONTH:									
DIFFERENCE		29,275.0	0.0	29,275.0	(0.466)	994,459.17	(1.246)	1,208,669.77	214,210.60
DIFFERENCE %		208.1%	0.0%	208.1%	-11.4%	172.9%	-20.9%	143.8%	80.7%
PERIOD TO DATE:									
ACTUAL		150,028.0	143.8	149,884.2	4.466	6,694,034.16	5.608	8,406,227.56	1,712,193.40
ESTIMATED		58,650.0	0.0	58,650.0	4.367	2,560,990.00	6.714	3,937,848.00	1,376,858.00
DIFFERENCE		91,378.0	143.8	91,234.2	0.100	4,133,044.16	(1.106)	4,468,379.56	335,335.40
DIFFERENCE %		155.8%	0.0%	155.6%	2.3%	161.4%	-16.5%	113.5%	24.4%

CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
MONTH OF: May 2019

CONTRACT	TERM		CONTRACT	
	START	END	TYPE	
SEMINOLE ELECTRIC **	6/1/1992	-----	LT	QF = QUALIFYING FACILITY 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
SEMINOLE ELECTRIC	8.1	10.8	9.1	9.3	11.5							

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

TOTAL PURCHASES AND (SALES)	\$	(55,697)	\$	(79,999)	\$	(5,304)	\$	(34,891)	\$	(105,743)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	(281,634)
TOTAL CAPACITY	\$	(55,697)	\$	(79,999)	\$	(5,304)	\$	(34,891)	\$	(105,743)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	(281,634)

**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: April 2019

	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	142,781	(142,781)	-100.0%	0	142,781	(142,781)	-100.0%
3 COAL	3,059,647	2,443,106	616,541	25.2%	14,036,933	20,769,906	(6,732,973)	-32.4%
4 NATURAL GAS	40,417,422	42,338,535	(1,921,113)	-4.5%	157,820,244	175,533,730	(17,713,486)	-10.1%
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 (\$)	43,477,069	44,924,422	(1,447,353)	-3.2%	171,857,177	196,446,417	(24,589,240)	-12.5%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	0	600	(600)	-100.0%	0	600	(600)	-100.0%
10 COAL	75,504	72,450	3,054	4.2%	375,867	670,290	(294,423)	-43.9%
11 NATURAL GAS	1,373,770	1,365,330	8,440	0.6%	5,147,187	4,799,010	348,177	7.3%
12 SOLAR	80,688	107,700	(27,012)	-25.1%	232,717	343,110	(110,393)	-32.2%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,529,962	1,546,080	(16,118)	-1.0%	5,755,771	5,813,010	(57,239)	-1.0%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	0	1,120	(1,120)	-100.0%	0	1,120	(1,120)	-100.0%
17 COAL (TON)	36,085	36,110	(25)	-0.1%	174,394	313,350	(138,956)	-44.3%
18 NATURAL GAS (MCF)	11,545,290	10,383,970	1,161,320	11.2%	40,996,136	34,557,740	6,438,396	18.6%
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	6,460	(6,460)	-100.0%	0	6,460	(6,460)	-100.0%
23 COAL	847,090	812,540	34,550	4.3%	4,090,098	7,050,540	(2,960,442)	-42.0%
24 NATURAL GAS	11,776,196	10,647,270	1,128,926	10.6%	41,814,685	35,445,560	6,369,125	18.0%
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)	12,623,286	11,466,270	1,157,016	10.1%	45,904,783	42,502,560	3,402,223	8.0%
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%	0.04%	-0.04%	-100.0%	0.00%	0.01%	-0.01%	-100.0%
30 COAL	4.94%	4.69%	0.25%	5.3%	6.53%	11.53%	-5.00%	-43.4%
31 NATURAL GAS	89.79%	88.31%	1.48%	1.7%	89.43%	82.56%	6.87%	8.3%
32 SOLAR	5.27%	6.97%	-1.69%	-24.3%	4.04%	5.90%	-1.86%	-31.5%
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%	0.00	127.48	(127.48)	-100.0%
37 COAL (\$/TON)	84.79	67.66	17.13	25.3%	80.49	66.28	14.21	21.4%
38 NATURAL GAS (\$/MCF)	3.50	4.08	(0.58)	-14.1%	3.85	5.08	(1.23)	-24.2%
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	22.10	(22.10)	-100.0%	0.00	22.10	(22.10)	-100.0%
43 COAL	3.61	3.01	0.61	20.1%	3.43	2.95	0.49	16.5%
44 NATURAL GAS	3.43	3.98	(0.54)	-13.7%	3.77	4.95	(1.18)	-23.8%
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)	3.44	3.92	(0.47)	-12.1%	3.74	4.62	(0.88)	-19.0%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: April 2019

	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	10,767	(10,767)	-100.0%	0	10,767	(10,767)	-100.0%
50 COAL	11,219	11,215	4	0.0%	10,882	10,519	363	3.5%
51 NATURAL GAS	8,572	7,798	774	9.9%	8,124	7,386	738	10.0%
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)	8,251	7,416	835	11.3%	7,975	7,312	663	9.1%
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	23.80	(23.80)	-100.0%	0.00	23.80	(23.80)	-100.0%
57 COAL	4.05	3.37	0.68	20.2%	3.73	3.10	0.63	20.3%
58 NATURAL GAS	2.94	3.10	(0.16)	-5.2%	3.07	3.66	(0.59)	-16.1%
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)	2.84	2.91	(0.07)	-2.4%	2.99	3.38	(0.39)	-11.5%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: April 2019

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (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	322	28.0	-	53.1	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	4,256	30.5	-	65.6	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	214	19.8	-	42.3	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	14,130	27.9	-	60.5	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	15,276	28.5	-	62.4	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	12,797	23.9	-	51.7	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	11,423	26.0	-	56.9	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	12,122	30.4	-	67.0	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	8,345	30.9	-	64.9	-	SOLAR	-	-	-	-	-	-
LAKE HANCOCK	49.5	1,803	25.3	-	59.6	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	445.2	80,688	27.6	-	47.9	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	305	108,049	49.2	99.9	49.2	13,935	GAS	1,373,398	1,020,000	1,400,866.3	4,806,994	4.45	3.50
BIG BEND #2 TOTAL	340	63,277	25.8	52.2	40.4	13,824	GAS	796,839	1,020,000	812,775.5	2,788,996	4.41	3.50
B.B.#3 (COAL)	395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
B.B.#3 (GAS)	345	94,094	37.9	69.1	60.1	-	GAS	1,216,528	1,020,000	1,240,859.0	4,257,939	4.53	3.50
BIG BEND #3 TOTAL	345	94,094	37.9	69.1	60.1	11,285	-	-	-	1,240,859.0	4,257,939	4.53	-
B.B.#4 (COAL)	437	77,428	24.6	34.7	96.8	-	COAL	36,085	23,474,847	847,089.9	2,950,959	3.81	81.78
B.B.#4 (GAS)	185	8,292	6.2	34.7	27.8	-	GAS	83,278	1,020,000	84,944.1	291,481	3.52	3.50
BIG BEND #4 TOTAL	437	85,720	27.2	34.7	57.1	10,955	-	-	-	932,034.0	3,242,440	3.78	-
B.B. IGNITION	-	-	-	-	-	-	GAS	31,053	0	31,674.0	108,688	-	3.50
BIG BEND CT #4 TOTAL	56	0	0.0	0.9	0.0	0	GAS	0	1,020,000	0.0	0	0.00	0.00
BIG BEND STATION TOTAL	1,483	351,140	32.9	58.8	32.9	12,478	-	-	-	4,386,534.8	15,205,057	4.33	-
POLK #1 GASIFIER ⁽³⁾	220	(1,924)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	150	74,100	68.2	100.0	71.0	11,930	GAS	866,646	1,020,000	883,979.0	3,033,325	2.87	3.50
POLK #1 ST	85	31,448	51.1	100.0	53.3	0	-	-	-	-	-	-	-
POLK #1 TOTAL	235	103,624	62.0	100.0	64.5	8,531	-	-	-	883,979.0	3,033,325	2.93	-
POLK #2 ST DUCT FIRING	120	791	0.9	-	69.8	8,403	GAS	6,517	1,020,000	6,647.0	22,809	2.88	3.50
POLK #2 ST W/O DUCT FIRING	341	68,283	27.8	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	69,074	20.5	55.0	69.8	-	GAS	-	-	6,647.0	22,809	0.03	-
POLK #2 CT (GAS)	150	44,830	41.4	73.0	88.9	11,255	GAS	494,666	1,020,000	504,559.0	1,731,366	3.86	3.50
POLK #2 CT (OIL)	159	0	0.0	73.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	150	44,830	41.4	73.0	88.9	11,255	-	-	-	504,559.0	1,731,366	3.86	-
POLK #3 CT (GAS)	150	23,098	21.3	68.7	85.4	11,436	GAS	258,970	1,020,000	264,149.0	906,412	3.92	3.50
POLK #3 CT (OIL)	159	0	0.00	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	150	23,098	21.3	68.7	85.4	11,436	-	-	-	264,149.0	906,412	3.92	-
POLK #4 TOTAL	150	39,281	36.2	75.2	86.1	11,142	GAS	429,097	1,020,000	437,679.0	1,501,871	3.82	3.50
POLK #5 TOTAL	150	37,617	34.8	68.3	90.7	11,008	GAS	405,973	1,020,000	414,092.0	1,420,934	3.78	3.50
POLK #2 CC TOTAL	1,061	213,900	27.8	64.2	50.6	7,607	GAS	-	-	1,627,126.0	5,583,392	2.61	-
POLK STATION TOTAL	1,296	317,524	34.0	70.7	35.4	7,908	-	-	-	2,511,105.0	8,616,717	2.71	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: April 2019

(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	100,163	59.7	81.4	73.2	-		-	-	-	-	-	-
BAYSIDE CT1A	156	62,282	55.5	89.0	83.1	11,358	GAS	693,516	1,020,000	707,385.9	2,428,352	3.90	3.50
BAYSIDE CT1B	156	59,113	52.6	91.9	83.3	11,353	GAS	657,979	1,020,000	671,138.4	2,303,918	3.90	3.50
BAYSIDE CT1C	156	63,935	56.9	92.7	81.2	11,163	GAS	699,737	1,020,000	713,731.4	2,450,134	3.83	3.50
BAYSIDE UNIT 1 TOTAL	701	285,493	56.6	87.9	69.4	7,329	GAS	2,051,232	1,020,000	2,092,255.7	7,182,404	2.52	3.50
BAYSIDE ST 2	305	169,796	77.3	93.8	77.7	-		-	-	-	-	-	-
BAYSIDE CT2A	156	81,878	72.9	100.0	85.4	10,985	GAS	881,786	1,020,000	899,421.5	3,087,582	3.77	3.50
BAYSIDE CT2B	156	73,714	65.6	100.0	84.6	11,214	GAS	810,403	1,020,000	826,611.5	2,837,634	3.85	3.50
BAYSIDE CT2C	156	94,914	84.5	100.0	84.5	11,274	GAS	1,049,099	1,020,000	1,070,081.2	3,673,431	3.87	3.50
BAYSIDE CT2D	156	71,903	64.0	77.1	84.8	11,201	GAS	789,601	1,020,000	805,393.2	2,764,796	3.85	3.50
BAYSIDE UNIT 2 TOTAL	929	492,205	73.6	94.1	73.6	7,317	GAS	3,530,889	1,020,000	3,601,507.5	12,363,443	2.51	3.50
BAYSIDE UNIT 3 TOTAL	56	503	1.2	94.1	92.1	11,069	GAS	5,459	1,020,000	5,567.9	19,114	3.80	3.50
BAYSIDE UNIT 4 TOTAL	56	749	1.9	85.2	105.6	10,553	GAS	7,749	1,020,000	7,904.1	27,133	3.62	3.50
BAYSIDE UNIT 5 TOTAL	56	968	2.4	88.7	95.4	11,350	GAS	10,771	1,020,000	10,986.8	37,716	3.90	3.50
BAYSIDE UNIT 6 TOTAL	56	692	1.7	88.3	100.6	10,728	GAS	7,278	1,020,000	7,423.8	25,485	3.68	3.50
BAYSIDE STATION TOTAL	1,854	780,610	58.5	91.2	58.5	7,335	GAS	5,613,378	1,020,000	5,725,645.6	19,655,295	2.52	3.50
SYSTEM	5,078	1,529,962	42.2	75.1	44.1	8,247	-	-	-	12,623,285.5	43,477,069	2.84	-

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

6

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: March 2019

SCHEDULE A4
PAGE 1 OF 2
REVISED 6/20/19

(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	302	25.4	-	53.6	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,804	26.4	-	56.3	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	186	16.7	-	35.0	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	12,806	24.5	-	52.6	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	12,836	23.2	-	49.9	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	16,044	28.9	-	61.7	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	10,873	23.9	-	50.8	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	9,886	24.0	-	51.2	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	7,359	26.4	-	55.3	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	395.7	74,096	25.2	-	46.9	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	315	95,509	40.8	66.5	61.1	12,669	GAS	1,187,469	1,019,000	1,210,030.5	4,375,127	4.58	3.68
BIG BEND #2 TOTAL	350	22,089	8.5	68.0	49.4	13,471	GAS	292,010	1,019,000	297,558.1	1,075,885	4.87	3.68
B.B.#3 (COAL)	400	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
B.B.#3 (GAS)	355	73,668	27.9	78.6	66.1	-	GAS	773,392	1,019,000	788,086.7	2,849,498	3.87	3.68
BIG BEND #3 TOTAL	355	73,668	27.9	78.6	66.1	10,698	-	-	-	788,086.7	2,849,498	3.87	-
B.B.#4 (COAL) ⁽⁴⁾	442	0	0.0	80.3	0.0	-	COAL	(683)	0	(16,038.0)	696,128	0.00	(1,019.22)
B.B.#4 (GAS)	195	0	0.0	80.3	0.0	-	GAS	0	1,019,000	0.0	0	0.00	0.00
BIG BEND #4 TOTAL	442	0	0.0	80.3	0.0	0	-	-	-	(16,038.0)	696,128	0.00	-
B.B. IGNITION	-	-	-	-	-	-	GAS	18,624	0	18,978.0	68,619	-	3.68
BIG BEND CT #4 TOTAL	61	128	0.3	79.3	49.4	21,896	GAS	2,750	1,019,000	2,802.7	10,135	7.92	3.69
BIG BEND STATION TOTAL	1,523	191,394	16.9	74.2	25.3	12,009	-	-	-	2,282,440.1	9,075,392	4.74	-
POLK #1 GASIFIER ⁽³⁾	157	(2,475)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	177	45,114	36.5	81.8	59.3	12,235	GAS	541,667	1,019,000	551,959.0	1,995,726	3.14	3.68
POLK #1 ST	85	18,473	29.2	82.0	48.1	0	-	-	-	-	-	-	-
POLK #1 TOTAL	245	61,112	33.9	81.8	55.1	9,032	-	-	-	551,959.0	1,995,726	3.27	-
POLK #2 ST DUCT FIRING	120	8,377	9.4	-	85.6	8,400	GAS	69,056	1,019,000	70,368.0	254,431	3.04	3.68
POLK #2 ST W/O DUCT FIRING	360	188,172	70.4	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	480	196,549	55.0	99.6	85.6	-	GAS	-	-	70,368.0	254,431	0.13	-
POLK #2 CT (GAS)	180	78,280	58.5	98.1	82.4	11,192	GAS	859,777	1,019,000	876,113.0	3,167,775	4.05	3.68
POLK #2 CT (OIL)	187	0	0.0	98.1	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	180	78,280	58.5	98.1	82.4	11,192	-	-	-	876,113.0	3,167,775	4.05	-
POLK #3 CT (GAS)	180	81,277	60.7	100.0	79.1	11,014	GAS	878,463	1,019,000	895,154.0	3,236,622	3.98	3.68
POLK #3 CT (OIL)	187	0	0.00	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	180	81,277	60.7	100.0	79.1	11,014	-	-	-	895,154.0	3,236,622	3.98	-
POLK #4 TOTAL	180	87,742	65.5	100.0	80.3	10,826	GAS	932,155	1,019,000	949,866.0	3,434,445	3.91	3.68
POLK #5 TOTAL	180	83,840	62.6	100.0	79.6	10,886	GAS	895,687	1,019,000	912,705.0	3,300,081	3.94	3.68
POLK #2 CC TOTAL	1,200	527,688	59.1	99.5	59.1	7,020	GAS	-	-	3,704,206.0	13,393,354	2.54	-
POLK STATION TOTAL	1,445	588,800	54.9	96.6	54.9	7,229	-	-	-	4,256,165.0	15,389,080	2.61	-

88

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: March 2019

SCHEDULE A4
PAGE 2 OF 2
REVISED 6/20/19

(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	243	0	0.0	0.0	0.0	-		-	-	-	-	-	-
BAYSIDE CT1A	(3) 183	(163)	0.0	0.0	0.0	0	GAS	0	1,019,000	0.0	0	0.00	0.00
BAYSIDE CT1B	(3) 183	(163)	0.0	0.0	0.0	0	GAS	0	1,019,000	0.0	0	0.00	0.00
BAYSIDE CT1C	(3) 183	(163)	0.0	0.0	0.0	0	GAS	0	1,019,000	0.0	0	0.00	0.00
BAYSIDE UNIT 1 TOTAL	792	(489)	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE ST 2	315	198,694	84.8	98.5	86.0	-		-	-	-	-	-	-
BAYSIDE CT2A	183	91,726	67.5	99.9	71.6	11,388	GAS	1,025,131	1,019,000	1,044,608.4	3,778,065	4.12	3.69
BAYSIDE CT2B	183	91,663	67.4	100.0	71.1	11,665	GAS	1,049,351	1,019,000	1,069,288.4	3,867,326	4.22	3.69
BAYSIDE CT2C	183	93,745	67.3	100.0	69.7	11,676	GAS	1,074,189	1,019,000	1,094,599.0	3,958,865	4.22	3.69
BAYSIDE CT2D	183	96,346	70.8	100.0	70.8	11,642	GAS	1,100,738	1,019,000	1,121,652.5	4,056,710	4.21	3.69
BAYSIDE UNIT 2 TOTAL	1,047	572,174	86.9	99.5	86.9	7,568	GAS	4,249,409	1,019,000	4,330,148.3	15,660,966	2.74	3.69
BAYSIDE UNIT 3 TOTAL	61	168	0.4	90.5	63.8	12,604	GAS	2,078	1,019,000	2,117.4	7,658	4.56	3.69
BAYSIDE UNIT 4 TOTAL	61	224	0.5	99.6	72.6	11,112	GAS	2,443	1,019,000	2,489.0	9,002	4.02	3.68
BAYSIDE UNIT 5 TOTAL	61	481	1.1	99.6	74.0	12,030	GAS	5,679	1,019,000	5,786.2	20,927	4.35	3.68
BAYSIDE UNIT 6 TOTAL	61	321	0.7	99.6	66.8	11,431	GAS	3,601	1,019,000	3,669.2	13,271	4.13	3.69
BAYSIDE STATION TOTAL	2,083	572,879	43.8	70.2	43.8	7,583	GAS	4,263,210	1,019,000	4,344,210.2	15,711,824	2.74	3.69
SYSTEM	5,447	1,427,169	35.2	78.9	40.3	7,637	-	-	-	10,882,815.2	40,176,296	2.82	-

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 adjustment of (683) tons consumed, \$171,336.31 of fuel expense and (16,038.0) mmbtu's for February 2019.

6

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: February 2019

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (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	220	20.5	-	36.8	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,664	20.4	-	45.9	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	131	13.0	-	28.9	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	8,999	19.0	-	43.5	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	8,417	16.8	-	38.5	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	11,289	22.5	-	50.8	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	7,613	18.5	-	40.7	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	833	-	-	11.6	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	4,354	17.3	-	37.8	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	395.7	44,520	19.5	-	26.8	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	315	0	0.0	35.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	350	69,440	29.5	53.3	50.5	12,081	GAS	822,440	1,020,000	838,888.9	3,086,449	4.44	3.75
B.B.#3 (COAL)	400	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
B.B.#3 (GAS)	355	164,819	69.1	95.0	71.4	-	GAS	1,714,122	1,020,000	1,748,404.6	6,432,750	3.90	3.75
BIG BEND #3 TOTAL	355	164,819	69.1	95.0	71.4	10,608	-	-	-	1,748,404.6	6,432,750	3.90	-
B.B.#4 (COAL)	442	93,724	31.6	82.3	86.2	-	COAL	41,500	23,598,830	979,271.4	3,252,540	3.47	78.37
B.B.#4 (GAS)	195	5,332	4.1	99.9	68.4	-	GAS	54,443	1,020,000	55,531.6	204,314	3.83	3.75
BIG BEND #4 TOTAL	442	99,056	33.3	82.3	78.4	10,285	-	-	-	1,034,803.0	3,456,854	3.49	-
B.B. IGNITION	-	-	-	-	-	-	GAS	23,271	0	23,736.4	87,333	-	3.75
BIG BEND CT #4 TOTAL	61	224	0.5	100.0	45.9	15,463	GAS	3,396	1,020,000	3,463.8	12,745	5.69	3.75
BIG BEND STATION TOTAL	1,523	333,539	32.6	69.5	32.6	10,822	-	-	-	3,625,560.3	13,076,131	3.92	-
POLK #1 GASIFIER ⁽³⁾	157	(2,565)	0.0	19.7	0.0	0	COAL	0	0	0.0	(154,361)	6.02	0.00
POLK #1 CT (GAS)	177	4,984	4.2	18.0	52.8	12,547	GAS	61,309	1,020,000	62,535.0	230,079	3.35	3.75
POLK #1 ST	85	1,876	3.3	18.0	32.9	0	-	-	-	-	-	-	-
POLK #1 TOTAL	245	4,295	2.6	18.0	32.9	14,559	-	-	-	62,535.0	75,718	1.76	-
POLK #2 ST DUCT FIRING	120	3,135	3.9	-	59.3	9,852	GAS	30,284	1,020,000	30,890.0	113,651	3.63	3.75
POLK #2 ST W/O DUCT FIRING	360	134,215	55.5	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	480	137,350	42.6	95.4	44.5	-	GAS	-	-	30,890.0	113,651	0.08	-
POLK #2 CT (GAS)	180	53,346	44.1	99.9	75.4	11,163	GAS	583,833	1,020,000	595,510.0	2,191,006	4.11	3.75
POLK #2 CT (OIL)	187	0	0.0	99.9	0.0	0	LG.T.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	180	53,346	44.1	99.9	75.4	11,163	-	-	-	595,510.0	2,191,006	4.11	-
POLK #3 CT (GAS)	180	67,003	55.4	99.4	78.4	10,957	GAS	719,761	1,020,000	734,156.0	2,701,114	4.03	3.75
POLK #3 CT (OIL)	187	0	0.00	0.0	0.0	0	LG.T.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	180	67,003	55.4	99.4	78.4	10,957	-	-	-	734,156.0	2,701,114	4.03	-
POLK #4 TOTAL	180	48,721	40.3	99.5	78.1	10,840	GAS	517,770	1,020,000	528,125.0	1,943,083	3.99	3.75
POLK #5 TOTAL	180	71,478	59.1	100.0	78.5	10,860	GAS	761,062	1,020,000	776,283.0	2,856,108	4.00	3.75
POLK #2 CC TOTAL	1,200	377,898	46.9	95.3	49.0	7,052	GAS	-	-	2,664,964.0	9,804,962	2.59	-
POLK STATION TOTAL	1,445	382,193	39.4	82.2	41.1	7,136	-	-	-	2,727,499.0	9,880,680	2.59	-

88

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: February 2019

(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	94,226	57.7	85.4	65.0	-		-	-	-	-	-	-
BAYSIDE CT1A	183	58,237	47.4	81.6	70.6	11,491	GAS	656,078	1,020,000	669,199.0	2,462,837	4.23	3.75
BAYSIDE CT1B	183	53,110	43.2	85.4	72.7	11,378	GAS	592,448	1,020,000	604,296.9	2,223,978	4.19	3.75
BAYSIDE CT1C	183	62,790	51.1	88.9	71.2	11,183	GAS	688,407	1,020,000	702,175.1	2,584,198	4.12	3.75
BAYSIDE UNIT 1 TOTAL	792	268,363	50.4	87.8	56.8	7,362	GAS	1,936,933	1,020,000	1,975,671.1	7,271,013	2.71	3.75
BAYSIDE ST 2	315	105,336	49.8	63.3	56.3	-		-	-	-	-	-	-
BAYSIDE CT2A	183	46,703	38.0	58.9	73.5	11,061	GAS	506,444	1,020,000	516,573.4	1,901,131	4.07	3.75
BAYSIDE CT2B	183	57,290	46.6	74.3	72.3	11,348	GAS	637,356	1,020,000	650,103.5	2,392,559	4.18	3.75
BAYSIDE CT2C	183	45,446	37.0	66.7	70.4	11,459	GAS	510,566	1,020,000	520,777.8	1,916,604	4.22	3.75
BAYSIDE CT2D	183	50,770	41.3	67.8	70.6	11,388	GAS	566,819	1,020,000	578,155.1	2,127,771	4.19	3.75
BAYSIDE UNIT 2 TOTAL	1,047	305,545	43.4	80.8	49.1	7,415	GAS	2,221,185	1,020,000	2,265,609.7	8,338,065	2.73	3.75
BAYSIDE UNIT 3 TOTAL ⁽³⁾	61	(26)	0.0	97.6	0.0	0	GAS	0	1,020,000	0.0	0	0.00	0.00
BAYSIDE UNIT 4 TOTAL ⁽³⁾	61	(11)	0.0	97.6	0.0	0	GAS	0	1,020,000	0.0	0	0.00	0.00
BAYSIDE UNIT 5 TOTAL	61	651	1.6	96.1	82.1	11,455	GAS	7,311	1,020,000	7,457.5	27,446	4.22	3.75
BAYSIDE UNIT 6 TOTAL	61	92	0.2	96.2	75.4	12,209	GAS	1,101	1,020,000	1,123.2	4,134	4.49	3.75
BAYSIDE STATION TOTAL	2,083	574,614	41.1	85.3	41.1	7,396	GAS	4,166,530	1,020,000	4,249,861.5	15,640,658	2.72	3.75
SYSTEM	5,447	1,334,866	36.8	79.7	40.1	7,931	-	-	-	10,602,920.8	38,597,469	2.89	-

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

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: January 2019

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (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	224	18.8	-	42.9	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,664	18.5	-	45.0	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	135	12.1	-	29.3	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	8,052	15.4	-	39.4	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	10,172	18.4	-	44.8	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	9,958	18.0	-	43.8	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	1,725	3.9	-	9.3	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	(3) 55.4	(27)	-	-	0.0	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	510	6.3	-	13.6	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	395.7	33,413	14.4	-	23.0	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	315	15,607	6.7	81.1	37.1	13,101	GAS	200,261	1,021,000	204,466.1	914,771	5.86	4.57
BIG BEND #2 TOTAL	350	28,504	10.9	90.6	42.5	11,949	GAS	333,575	1,021,000	340,580.5	1,523,744	5.35	4.57
B.B.#3 (COAL)	400	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
B.B.#3 (GAS)	355	94,022	35.6	92.7	64.3	-	GAS	1,076,345	1,021,000	1,098,948.1	4,916,643	5.23	4.57
BIG BEND #3 TOTAL	355	94,022	35.6	92.7	64.3	11,688	-	-	-	1,098,948.1	4,916,643	5.23	-
B.B.#4 (COAL)	442	214,551	65.2	72.5	81.3	-	COAL	97,492	23,384,223	2,279,774.7	6,908,042	3.22	70.86
B.B.#4 (GAS)	195	7,723	5.3	48.3	88.0	-	GAS	81,425	1,021,000	83,134.6	371,942	4.82	4.57
BIG BEND #4 TOTAL	442	222,274	67.6	72.5	73.8	10,631	-	-	-	2,362,909.3	7,279,984	3.28	-
B.B. IGNITION	-	-	-	-	-	-	GAS	26,048	0	26,595.5	118,985	-	4.57
BIG BEND CT #4 TOTAL	61	227	0.5	94.7	63.4	17,640	GAS	3,922	1,021,000	4,004.3	17,914	7.89	4.57
BIG BEND STATION TOTAL	1,523	360,634	31.8	84.0	36.9	11,122	-	-	-	4,010,908.3	14,772,041	4.10	-
POLK #1 GASIFIER	(3) 157	(2,872)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	177	19,197	14.6	60.2	56.3	12,865	GAS	241,904	1,021,000	246,984.0	1,104,995	4.12	4.57
POLK #1 ST	85	7,643	12.1	60.2	50.8	0	-	-	-	-	-	-	-
POLK #1 TOTAL	245	23,968	13.1	60.2	50.8	10,305	-	-	-	246,984.0	1,104,995	4.61	-
POLK #2 ST DUCT FIRING	120	12,531	14.0	-	86.6	8,415	GAS	103,280	1,021,000	105,449.0	471,774	3.76	4.57
POLK #2 ST W/O DUCT FIRING	360	244,806	91.4	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	480	257,337	72.1	99.8	72.2	-	GAS	-	-	105,449.0	471,774	0.18	-
POLK #2 CT (GAS)	180	103,735	77.5	99.7	81.4	11,000	GAS	1,117,627	1,021,000	1,141,097.0	5,105,216	4.92	4.57
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	180	103,735	77.5	99.7	81.4	11,000	-	-	-	1,141,097.0	5,105,216	4.92	-
POLK #3 CT (GAS)	180	106,883	79.8	99.8	82.9	10,843	GAS	1,135,125	1,021,000	1,158,963.0	5,185,148	4.85	4.57
POLK #3 CT (OIL)	187	0	0.00	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	180	106,883	79.8	99.8	82.9	10,843	-	-	-	1,158,963.0	5,185,148	4.85	-
POLK #4 TOTAL	180	108,884	81.3	100.0	82.9	10,713	GAS	1,142,473	1,021,000	1,166,465.0	5,218,711	4.79	4.57
POLK #5 TOTAL	180	105,400	78.7	95.5	83.2	10,739	GAS	1,108,599	1,021,000	1,131,880.0	5,063,980	4.80	4.57
POLK #2 CC TOTAL	1,200	682,239	76.4	98.7	76.6	6,895	GAS	-	-	4,703,854.0	21,044,829	3.08	-
POLK STATION TOTAL	1,445	706,207	65.7	92.1	65.8	7,010	-	-	-	4,950,838.0	22,149,824	3.14	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: January 2019

(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	101,589	56.2	100.0	56.2	-		-	-	-	-	-	-
BAYSIDE CT1A	183	57,706	42.4	99.8	64.2	12,122	GAS	685,101	1,021,000	699,487.7	3,130,768	5.43	4.57
BAYSIDE CT1B	183	60,991	44.8	100.0	65.4	12,038	GAS	719,124	1,021,000	734,225.9	3,286,246	5.39	4.57
BAYSIDE CT1C	183	60,820	44.7	100.0	64.5	11,837	GAS	705,129	1,021,000	719,936.9	3,222,293	5.30	4.57
BAYSIDE UNIT 1 TOTAL	792	281,106	47.7	99.9	47.7	7,661	GAS	2,109,354	1,021,000	2,153,650.6	9,639,307	3.43	4.57
BAYSIDE ST 2	315	27,013	11.5	35.7	35.5	-		-	-	-	-	-	-
BAYSIDE CT2A	183	9,001	6.6	43.6	65.7	12,057	GAS	106,293	1,021,000	108,525.4	485,737	5.40	4.57
BAYSIDE CT2B	183	7,087	5.2	43.7	65.6	12,391	GAS	86,009	1,021,000	87,815.5	393,043	5.55	4.57
BAYSIDE CT2C	183	13,638	10.0	36.4	62.7	12,425	GAS	165,965	1,021,000	169,449.8	758,425	5.56	4.57
BAYSIDE CT2D	183	23,969	17.6	42.3	62.0	12,328	GAS	289,418	1,021,000	295,495.8	1,322,580	5.52	4.57
BAYSIDE UNIT 2 TOTAL	1,047	80,708	10.4	33.7	31.9	8,194	GAS	647,685	1,021,000	661,286.5	2,959,785	3.67	4.57
BAYSIDE UNIT 3 TOTAL	61	73	0.2	100.0	66.1	15,021	GAS	1,074	1,021,000	1,096.5	4,908	6.72	4.57
BAYSIDE UNIT 4 TOTAL	61	367	0.8	100.0	90.5	10,674	GAS	3,837	1,021,000	3,917.4	17,533	4.78	4.57
BAYSIDE UNIT 5 TOTAL	61	537	1.2	100.0	83.6	11,900	GAS	6,259	1,021,000	6,390.3	28,602	5.33	4.57
BAYSIDE UNIT 6 TOTAL	61	729	1.6	100.0	89.9	10,525	GAS	7,515	1,021,000	7,673.0	34,343	4.71	4.57
BAYSIDE STATION TOTAL	2,083	363,520	23.5	66.6	23.5	7,796	GAS	2,775,724	1,021,000	2,834,014.4	12,684,478	3.49	4.57
SYSTEM	5,447	1,463,774	36.7	79.2	39.1	8,058	-	-	-	11,795,760.6	49,606,343	3.39	-

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

6