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October 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 September 2019 as well as the following revised pages:

Schedule A1 – A9 & A12	September 2019	16 Pages
List of Acronyms		1 Page
Schedule A3 Revised	August 2019	2 Pages
Schedule A4 Revised	August 2019	2 Pages

Thank you for your assistance in connection with this matter.

Sincerely,



Malcolm N. Means

MNM/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 October, 2019 to the following:

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TAMPA ELECTRIC COMPANY
TABLE OF CONTENTS

Includes Mid-Course Estimates for Month and PTD September 2019

1. Schedule A1 - A9 & A12	September 2019	16 Pages
2. List of Acronyms		1 Page
3. Schedule A3 Revised	August 2019	2 Pages
4. Schedule A4 Revised	August 2019	2 Pages

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

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	45,416,930	48,288,859	(2,871,929)	-5.9%	1,790,253	1,774,330	15,923	0.9%	2.53690	2.72153	(0.18463)	-6.8%
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	366,965	366,378	587	0.2%	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)	45,783,895	48,655,237	(2,871,342)	-5.9%	1,790,253	1,774,330	15,923	0.9%	2.55740	2.74218	(0.18478)	-6.7%
6. Fuel Cost of Purchased Power - Firm (A7)	29,109	0	29,109	0.0%	1,407	0	1,407	0.0%	2.06887	0.00000	2.06887	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	6,347,486	5,572,520	774,966	13.9%	196,101	153,200	42,901	28.0%	3.23685	3.63742	(0.40057)	-11.0%
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)	460,551	188,810	271,741	143.9%	21,586	7,500	14,086	187.8%	2.13356	2.51747	(0.38390)	-15.2%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	6,837,146	5,761,330	1,075,816	18.7%	219,094	160,700	58,394	36.3%	3.12065	3.58515	(0.46450)	-13.0%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					2,009,347	1,935,030	74,317	3.8%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	50,034	22,770	27,264	119.7%	2,478	1,000	1,478	147.8%	2.01913	2.27700	(0.25787)	-11.3%
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)	361,283	28,324	332,959	1175.5%	14,918	930	13,988	1504.1%	2.42179	3.04559	(0.62380)	-20.5%
18. Gains on Sales	170,090	3,978	166,112	4175.8%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	581,407	55,072	526,335	955.7%	17,396	1,930	15,466	801.3%	3.34219	2.85347	0.48872	17.1%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					(67)	0	(67)	0.0%				
21. Wheeling Rec'd. less Wheeling Del'v'd.					2,348	0	2,348	0.0%				
22. Interchange and Wheeling Losses					2,761	47	2,714	5769.8%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	52,039,634	54,361,495	(2,321,861)	-4.3%	1,991,471	1,933,053	58,418	3.0%	2.61313	2.81221	(0.19908)	-7.1%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	(3,961,237) (a)	(4,333,333) (a)	372,096	-8.6%	(151,590)	(154,090)	2,500	-1.6%	2.61313	2.81221	(0.19908)	-7.1%
25. Company Use	85,449 (a)	87,178 (a)	(1,729)	-2.0%	3,270	3,100	170	5.5%	2.61312	2.81219	(0.19907)	-7.1%
26. T & D Losses	3,498,139 (a)	3,475,637 (a)	22,502	0.6%	133,868	123,591	10,277	8.3%	2.61313	2.81221	(0.19908)	-7.1%
27. System KWH Sales	52,039,634	54,361,495	(2,321,861)	-4.3%	2,005,923	1,960,452	45,471	2.3%	2.59430	2.77291	(0.17861)	-6.4%
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	52,039,634	54,361,495	(2,321,861)	-4.3%	2,005,923	1,960,452	45,471	2.3%	2.59430	2.77291	(0.17861)	-6.4%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	52,039,634	54,361,495	(2,321,861)	-4.3%	2,005,923	1,960,452	45,471	2.3%	2.59430	2.77291	(0.17861)	-6.4%
32. Adjustment-BB Unit 2 Outage Replacement Power Cost T-up	0	0	0	0.0%	2,005,923	1,960,452	45,471	2.3%	0.00000	0.00000	0.00000	0.0%
33. True-up *	3,949,496	3,949,496	0	0.0%	2,005,923	1,960,452	45,471	2.3%	0.19689	0.20146	(0.00457)	-2.3%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	55,989,130	58,310,991	(2,321,861)	-4.0%	2,005,923	1,960,452	45,471	2.3%	2.79119	2.97436	(0.18317)	-6.2%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	56,029,442	58,352,975	(2,323,533)	-4.0%	2,005,923	1,960,452	45,471	2.3%	2.79320	2.97651	(0.18331)	-6.2%
37. GPIF * (Already Adjusted for Taxes)	(188,418)	(188,418)	0	0.0%	2,005,923	1,960,452	45,471	2.3%	(0.00939)	(0.00961)	0.00022	-2.3%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	55,841,024	58,164,557	(2,323,533)	-4.0%	2,005,923	1,960,452	45,471	2.3%	2.78381	2.96690	(0.18309)	-6.2%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									2.784	2.967	(0.183)	-6.2%

* 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: September 2019

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	404,786,800	445,978,442	(41,191,642)	-9.2%	14,920,381	14,952,110	(31,729)	-0.2%	2.71298	2.98271	(0.26973)	-9.0%
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	3,377,991	3,376,014	1,977	0.1%	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)	408,164,791	449,354,456	(41,189,665)	-9.2%	14,920,381	14,952,110	(31,729)	-0.2%	2.73562	3.00529	(0.26967)	-9.0%
6. Fuel Cost of Purchased Power - Firm (A7)	293,517	0	293,517	0.0%	7,757	0	7,757	0.0%	3.78390	0.00000	3.78390	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	34,326,681	25,080,090	9,246,591	36.9%	986,978	679,640	307,338	45.2%	3.47796	3.69020	(0.21224)	-5.8%
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)	3,608,714	1,973,210	1,635,504	82.9%	166,091	67,560	98,531	145.8%	2.17273	2.92068	(0.74794)	-26.6%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	38,228,912	27,053,300	11,175,612	41.3%	1,160,826	747,200	413,626	55.4%	3.29325	3.62062	(0.32737)	-9.0%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					16,081,207	15,699,310	381,897	2.4%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	441,584	220,460	221,124	100.3%	22,037	8,370	13,667	163.3%	2.00383	2.63393	(0.63010)	-23.9%
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)	1,362,832	340,630	1,022,202	300.1%	57,731	8,960	48,771	544.3%	2.36066	3.80167	(1.44102)	-37.9%
18. Gains on Sales	801,793	45,152	756,641	1675.8%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	2,606,209	606,242	1,999,967	329.9%	79,768	17,330	62,438	360.3%	3.26724	3.49822	(0.23099)	-6.6%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					(9)	0	(9)	0.0%				
21. Wheeling Rec'd. less Wheeling Del'v'd.					22,818	0	22,818	0.0%				
22. Interchange and Wheeling Losses					24,702	413	24,289	5887.2%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	443,787,494	475,801,514	(32,014,020)	-6.7%	15,999,546	15,681,567	317,979	2.0%	2.77375	3.03415	(0.26039)	-8.6%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	5,215,967 (a)	4,853,008 (a)	362,959	7.5%	198,744	203,599	(4,855)	-2.4%	2.62447	2.38361	0.24085	10.1%
25. Company Use	776,165 (a)	859,115 (a)	(82,950)	-9.7%	27,761	27,900	(139)	-0.5%	2.79588	3.07927	(0.28338)	-9.2%
26. T & D Losses	23,066,933 (a)	21,104,949 (a)	1,961,984	9.3%	833,291	686,952	146,339	21.3%	2.76817	3.07226	(0.30409)	-9.9%
27. System KWH Sales	443,787,494	475,801,514	(32,014,020)	-6.7%	14,939,750	14,763,116	176,634	1.2%	2.97051	3.22291	(0.25239)	-7.8%
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	443,787,494	475,801,514	(32,014,020)	-6.7%	14,939,750	14,763,116	176,634	1.2%	2.97051	3.22291	(0.25239)	-7.8%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	443,787,494	475,801,514	(32,014,020)	-6.7%	14,939,750	14,763,116	176,634	1.2%	2.97051	3.22291	(0.25239)	-7.8%
32. Adjustments - Schedule A2, page 2, lines 6c and 7a	0	0	0	0.0%	14,939,750	14,763,116	176,634	1.2%	0.00000	0.00000	0.00000	0.0%
33. True-up *	21,943,104	21,943,104	0	0.0%	14,939,750	14,763,116	176,634	1.2%	0.14688	0.14863	(0.00176)	-1.2%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	465,730,598	497,744,618	(32,014,020)	-6.4%	14,939,750	14,763,116	176,634	1.2%	3.11739	3.37154	(0.25415)	-7.5%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	466,065,924	498,102,993	(32,037,069)	-6.4%	14,939,750	14,763,116	176,634	1.2%	3.11964	3.37397	(0.25433)	-7.5%
37. GPIF * (Already Adjusted for Taxes)	(1,695,762)	(1,695,762)	0	0.0%	14,939,750	14,763,116	176,634	1.2%	(0.01135)	(0.01149)	0.00014	-1.2%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	464,370,162	496,407,231	(32,037,069)	-6.5%	14,939,750	14,763,116	176,634	1.2%	3.10829	3.36248	(0.25419)	-7.6%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.108	3.362	(0.254)	-7.6%

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

2

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	45,416,930	48,288,859	(2,871,929)	-5.9%	404,786,800	445,978,442	(41,191,642)	-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	411,317	51,094	360,223	705.0%	1,804,416	561,090	1,243,326	221.6%
2a. GAINS FROM SALES	170,090	3,978	166,112	4175.8%	801,793	45,152	756,641	1675.8%
3. FUEL COST OF PURCHASED POWER	29,109	0	29,109	0.0%	293,517	0	293,517	0.0%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	460,551	188,810	271,741	143.9%	3,608,714	1,973,210	1,635,504	82.9%
4. ENERGY COST OF ECONOMY PURCHASES	6,347,486	5,572,520	774,966	13.9%	34,326,681	25,080,090	9,246,591	36.9%
5. TOTAL FUEL & NET POWER TRANSACTION	51,672,669	53,995,117	(2,322,448)	-4.3%	440,409,503	472,425,500	(32,015,997)	-6.8%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	366,965	366,378	587	0.2%	3,377,991	3,376,014	1,977	0.1%
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.	52,039,634	54,361,495	(2,321,861)	-4.3%	443,787,494	475,801,514	(32,014,020)	-6.7%
B. MWH SALES								
1. JURISDICTIONAL SALES	2,005,923	1,960,452	45,471	2.3%	14,939,750	14,763,116	176,634	1.2%
2. NONJURISDICTIONAL SALES	0	0	0	0.0%	0	0	0	0.0%
3. TOTAL SALES	2,005,923	1,960,452	45,471	2.3%	14,939,750	14,763,116	176,634	1.2%
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: September 2019

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	65,782,958	64,101,838	1,681,120	2.6%	459,650,507	454,969,071	4,681,436	1.0%
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%	(21,943,104)	(21,943,104)	0	0.0%
2b. GPIF PROVISION	188,418	188,418	0	0.0%	1,695,762	1,695,762	0	0.0%
2c. ADJUSTMENT	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.0%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.0%</u>
3. JURIS. FUEL REVENUE APPL. TO PERIOD	<u>62,021,880</u>	<u>60,340,760</u>	<u>1,681,120</u>	<u>2.8%</u>	<u>439,403,165</u>	<u>434,721,729</u>	<u>4,681,436</u>	<u>1.1%</u>
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	52,039,634	54,361,495	(2,321,861)	-4.3%	443,787,494	475,801,514	(32,014,020)	-6.7%
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B4)	<u>1.0000000</u>	<u>1.0000000</u>	<u>0.0000000</u>	<u>0.0%</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS.	52,039,634	54,361,495	(2,321,861)	-4.3%	443,787,494	475,801,514	(32,014,020)	-6.7%
6a. JURISDIC. LOSS MULTIPLIER	<u>1.00000</u>	<u>1.00000</u>	<u>0.00000</u>	<u>0.0%</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
6b. (LINE C6 x LINE C6a)	52,039,634	54,361,495	(2,321,861)	-4.3%	443,787,494	475,801,514	(32,014,020)	-6.7%
6c. ADJUSTMENT	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.0%</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.0%</u>
6d. JURISDIC. TOTAL FUEL & NET PWR INCL. ALL ADJ.(LNS. C6b+C6c)	<u>52,039,634</u>	<u>54,361,495</u>	<u>(2,321,861)</u>	<u>-4.3%</u>	<u>443,787,494</u>	<u>475,801,514</u>	<u>(32,014,020)</u>	<u>-6.7%</u>
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	9,982,246	5,979,265	4,002,981	66.9%	(4,384,329)	(41,079,785)	36,695,456	-89.3%
8. INTEREST PROVISION FOR THE MONTH	(45,679)	(45,228)	(451)	1.0%	(857,373)	(626,743)	(230,630)	36.8%
9. TRUE-UP & INT. PROV. BEG. OF MONTH	(34,155,570)	(22,631,472)	(11,524,098)	50.9%	-----NOT APPLICABLE-----			
10. TRUE-UP COLLECTED (REFUNDED)	<u>3,949,496</u>	<u>3,949,496</u>	<u>0</u>	<u>0.0%</u>	-----NOT APPLICABLE-----			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	<u>(20,269,507)</u>	<u>(12,747,939)</u>	<u>(7,521,568)</u>	<u>59.0%</u>	-----NOT APPLICABLE-----			

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

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	(34,155,570)	(22,631,472)	(11,524,098)	50.9%	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	<u>(20,223,828)</u>	<u>(12,702,711)</u>	<u>(7,521,117)</u>	59.2%	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	<u>(54,379,398)</u>	<u>(35,334,183)</u>	<u>(19,045,215)</u>	53.9%	NOT APPLICABLE			
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	(27,189,699)	(17,667,092)	(9,522,607)	53.9%	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	2.050	2.950	(0.900)	-30.5%	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	<u>1.970</u>	<u>3.200</u>	<u>(1,230)</u>	-38.4%	NOT APPLICABLE			
7. TOTAL (LINE D5 + LINE D6)	<u>4.020</u>	<u>6.150</u>	<u>(2.130)</u>	-34.6%	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D7)	2.010	3.075	(1.065)	-34.6%	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.168	0.256	(0.088)	-34.4%	NOT APPLICABLE			
10. INT. PROVISION (LINE D4 x LINE D9)	<u>(45,679)</u>	<u>(45,228)</u>	<u>(451)</u>	1.0%	NOT APPLICABLE			

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	64,290	0	64,290	0.0%	180,480	142,781	37,699	26.4%
3 COAL	626,847	4,162,345	(3,535,498)	-84.9%	34,012,493	43,031,204	(9,018,711)	-21.0%
4 NATURAL GAS	44,725,793	44,126,514	599,279	1.4%	370,593,827	402,804,457	(32,210,630)	-8.0%
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 (\$)	45,416,930	48,288,859	(2,871,929)	-5.9%	404,786,800	445,978,442	(41,191,642)	-9.2%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	191	0	191	0.0%	546	600	(54)	-9.0%
10 COAL	(1,043)	115,970	(117,013)	-100.9%	894,313	1,297,960	(403,647)	-31.1%
11 NATURAL GAS	1,708,343	1,582,850	125,493	7.9%	13,438,845	12,835,310	603,535	4.7%
12 SOLAR	82,762	75,510	7,252	9.6%	586,677	818,240	(231,563)	-28.3%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,790,253	1,774,330	15,923	0.9%	14,920,381	14,952,110	(31,729)	-0.2%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	504	0	504	0.0%	1,415	1,120	295	26.3%
17 COAL (TON)	353	60,690	(60,337)	-99.4%	425,192	638,990	(213,798)	-33.5%
18 NATURAL GAS (MCF)	13,782,981	11,282,560	2,500,421	22.2%	105,386,682	92,382,000	13,004,682	14.1%
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	2,940	0	2,940	0.0%	8,240	6,460	1,780	27.6%
23 COAL	9,671	1,365,620	(1,355,949)	-99.3%	9,848,267	14,377,400	(4,529,133)	-31.5%
24 NATURAL GAS	14,127,556	11,580,460	2,547,096	22.0%	107,736,379	94,791,820	12,944,559	13.7%
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)	14,140,167	12,946,080	1,194,087	9.2%	117,592,886	109,175,680	8,417,206	7.7%
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%	0.00%	0.01%	0.0%	0.00%	0.00%	0.00%	-8.8%
30 COAL	-0.06%	6.54%	-6.59%	-100.9%	5.99%	8.68%	-2.69%	-31.0%
31 NATURAL GAS	95.42%	89.21%	6.22%	7.0%	90.07%	85.84%	4.23%	4.9%
32 SOLAR	4.62%	4.26%	0.37%	8.6%	3.93%	5.47%	-1.54%	-28.1%
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)	127.56	0.00	127.56	0.0%	127.55	127.48	0.06	0.1%
37 COAL (\$/TON)	1,775.77	68.58	1,707.19	2489.2%	79.99	67.34	12.65	18.8%
38 NATURAL GAS (\$/MCF)	3.25	3.91	(0.67)	-17.0%	3.52	4.36	(0.84)	-19.3%
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	21.87	0.00	21.87	0.0%	21.90	22.10	(0.20)	-0.9%
43 COAL	64.82	3.05	61.77	2026.6%	3.45	2.99	0.46	15.4%
44 NATURAL GAS	3.17	3.81	(0.64)	-16.9%	3.44	4.25	(0.81)	-19.1%
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)	3.21	3.73	(0.52)	-13.9%	3.44	4.08	(0.64)	-15.7%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	15,393	0	15,393	0.0%	15,092	10,767	4,325	40.2%
50 COAL	(9,272)	11,776	(21,048)	-178.7%	11,012	11,077	(65)	-0.6%
51 NATURAL GAS	8,270	7,316	954	13.0%	8,017	7,385	632	8.6%
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)	7,898	7,296	602	8.3%	7,881	7,302	579	7.9%
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	33.66	0.00	33.66	0.0%	33.05	23.80	9.25	38.9%
57 COAL	(60.10)	3.59	(63.69)	-1774.1%	3.80	3.32	0.48	14.5%
58 NATURAL GAS	2.62	2.79	(0.17)	-6.1%	2.76	3.14	(0.38)	-12.1%
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)	2.54	2.72	(0.18)	-6.6%	2.71	2.98	(0.27)	-9.1%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	219	19.0	-	45.5	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,456	24.7	-	49.9	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	192	17.8	-	35.8	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	12,969	25.6	-	51.5	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	14,471	27.0	-	54.5	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	14,265	26.6	-	53.6	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	11,455	26.0	-	52.7	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	10,311	25.8	-	52.3	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	6,643	24.6	-	49.8	-	SOLAR	-	-	-	-	-	-
LAKE HANCOCK SOLAR	49.5	8,781	24.6	-	50.1	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	445.2	82,762	25.8	-	51.9	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	305	126,700	57.7	93.1	83.9	12,632	GAS	1,561,449	1,025,000	1,600,485.0	5,063,131	4.00	3.24
BIG BEND #2 TOTAL	340	176,278	72.0	83.1	72.0	12,028	GAS	2,068,570	1,025,000	2,120,283.8	6,707,514	3.81	3.24
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	1,161	0.5	52.6	32.6	-	GAS	16,764	1,025,000	17,183.4	54,358	4.68	3.24
BIG BEND #3 TOTAL	345	1,161	0.5	52.6	32.6	14,800	-	-	-	17,183.4	54,358	4.68	-
B.B.#4 (COAL)	(4) 437	0	0.0	47.8	0.0	-	COAL	353	0	9,671.3	626,847	0.00	1,775.77
B.B.#4 (GAS)	185	33,307	25.0	47.8	75.3	-	GAS	427,749	1,025,000	438,442.6	1,387,013	4.16	3.24
BIG BEND #4 TOTAL	437	33,307	10.6	47.8	31.9	13,164	-	-	-	448,113.9	2,013,860	6.05	-
B.B. IGNITION	-	-	-	-	-	-	GAS	8,639	0	8,855.0	28,013	-	3.24
BIG BEND CT #4 TOTAL	56	168	0.4	95.6	61.5	18,179	GAS	2,980	1,025,000	3,054.1	9,661	5.75	3.24
BIG BEND STATION TOTAL	1,483	337,614	33.7	69.6	33.7	12,379	-	-	-	4,189,120.2	13,876,537	4.11	-
POLK #1 GASIFIER	(3) 220	(1,043)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	150	38,403	34.9	100.0	54.0	13,425	GAS	502,985	1,025,000	515,560.0	1,630,973	2.90	3.24
POLK #1 ST	85	17,791	28.5	100.0	44.1	0	-	-	-	-	-	-	-
POLK #1 TOTAL	235	55,151	32.6	100.0	50.4	9,348	-	-	-	515,560.0	1,630,973	2.96	-
POLK #2 ST DUCT FIRING	120	11,902	13.8	-	89.0	8,400	GAS	97,540	1,025,000	99,979.0	316,283	2.66	3.24
POLK #2 ST W/O DUCT FIRING	341	230,328	93.8	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	242,230	78.6	99.9	89.0	-	GAS	-	-	99,979.0	316,283	0.13	-
POLK #2 CT (GAS)	150	93,885	93.2	100.0	98.8	11,170	GAS	1,023,127	1,025,000	1,048,705.0	3,317,576	3.53	3.24
POLK #2 CT (OIL)	159	109	0.1	100.0	36.0	15,450	LG.T.OIL	288	5,829,600	1,678.1	36,696	33.67	127.56
POLK #2 TOTAL	150	93,994	93.3	100.0	98.8	11,175	-	-	-	1,050,383.1	3,354,272	3.57	-
POLK #3 CT (GAS)	150	98,337	91.1	100.0	94.4	11,013	GAS	1,056,573	1,025,000	1,082,987.0	3,426,027	3.48	3.24
POLK #3 CT (OIL)	159	82	0.1	100.0	30.2	15,450	LG.T.OIL	217	5,829,600	1,261.8	27,594	33.65	127.38
POLK #3 TOTAL	150	98,419	91.1	100.0	94.4	11,017	-	-	-	1,084,248.8	3,453,621	3.51	-
POLK #4 TOTAL	150	97,189	90.0	95.5	96.8	10,779	GAS	1,022,085	1,025,000	1,047,637.0	3,314,197	3.41	3.24
POLK #5 TOTAL	150	100,939	93.5	100.0	95.9	10,814	GAS	1,064,961	1,025,000	1,091,585.0	3,453,226	3.42	3.24
POLK #2 CC TOTAL	1,061	632,771	86.2	99.3	86.3	6,912	GAS	-	-	4,373,832.9	13,891,599	2.20	-
POLK STATION TOTAL	1,296	687,922	76.5	99.4	76.5	7,107	-	-	-	4,889,392.9	15,522,572	2.26	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	101,161	60.3	97.6	60.3	-		-	-	-	-	-	-
BAYSIDE CT1A	156	60,577	53.9	97.3	76.2	11,702	GAS	691,606	1,025,000	708,896.0	2,243,333	3.70	3.24
BAYSIDE CT1B	156	55,881	49.8	96.9	79.7	11,617	GAS	633,363	1,025,000	649,197.1	2,054,412	3.68	3.24
BAYSIDE CT1C	156	64,946	57.8	98.2	77.3	11,405	GAS	722,625	1,025,000	740,691.1	2,343,948	3.61	3.24
BAYSIDE UNIT 1 TOTAL	701	282,565	56.0	97.5	56.0	7,428	GAS	2,047,594	1,025,000	2,098,784.2	6,641,693	2.35	3.24
BAYSIDE ST 2	305	141,743	64.5	97.4	64.5	-		-	-	-	-	-	-
BAYSIDE CT2A	156	43,027	38.3	98.8	80.4	11,223	GAS	471,130	1,025,000	482,907.8	1,528,184	3.55	3.24
BAYSIDE CT2B	156	45,963	40.9	90.9	78.9	11,449	GAS	513,418	1,025,000	526,253.8	1,665,351	3.62	3.24
BAYSIDE CT2C	156	82,348	73.3	100.0	77.5	11,600	GAS	931,961	1,025,000	955,260.2	3,022,961	3.67	3.24
BAYSIDE CT2D	156	84,845	75.5	100.0	77.1	11,570	GAS	957,687	1,025,000	981,629.0	3,106,408	3.66	3.24
BAYSIDE UNIT 2 TOTAL	929	397,926	59.5	97.4	59.5	7,404	GAS	2,874,196	1,025,000	2,946,050.8	9,322,904	2.34	3.24
BAYSIDE UNIT 3 TOTAL	56	0	0.0	96.8	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE UNIT 4 TOTAL	56	0	0.0	96.8	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE UNIT 5 TOTAL	56	857	2.1	100.0	84.2	11,692	GAS	9,780	1,025,000	10,024.7	31,724	3.70	3.24
BAYSIDE UNIT 6 TOTAL	56	607	1.5	97.7	86.4	11,200	GAS	6,628	1,025,000	6,794.0	21,500	3.54	3.24
BAYSIDE STATION TOTAL	1,854	681,955	51.1	97.5	51.1	7,422	GAS	4,938,198	1,025,000	5,061,653.8	16,017,821	2.35	3.24
SYSTEM	5,078	1,790,253	49.0	89.1	51.2	7,893	-	-	-	14,140,166.8	45,416,930	2.54	-

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 Big Bend 4 coal adjustment of 353 tons and \$207,640 and 9,671.3 mmbtu for August 2019.

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

	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)	504	0	504	0.0%	1,415	1,120	295	26.3%	
21 UNIT COST (\$/BBL)	127.56	0.00	127.56	0.0%	127.55	127.48	0.06	0.1%	
22 AMOUNT (\$)	64,290	0	64,290	0.0%	180,480	142,781	37,699	26.4%	
23 ENDING INVENTORY:									
24 UNITS (BBL)	42,583	42,878	(295)	-0.7%	42,583	42,878	(295)	-0.7%	
25 UNIT COST (\$/BBL)	127.48	127.48	(0.00)	0.0%	127.48	127.48	(0.00)	0.0%	
26 AMOUNT (\$)	5,428,575	5,466,274	(37,699)	-0.7%	5,428,575	5,466,274	(37,699)	-0.7%	
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)	42,297	45,000	(2,703)	-6.0%	429,711	525,000	(95,289)	-18.2%	
32 UNIT COST (\$/TON)	71.20	65.08	6.12	9.4%	68.70	67.87	0.83	1.2%	
33 AMOUNT (\$)	3,011,711	2,928,656	83,055	2.8%	29,522,360	35,630,617	(6,108,257)	-17.1%	
34 BURNED:									
35 UNITS (TONS)	*	353	60,690	(60,337)	-99.4%	425,192	638,990	(213,798)	-33.5%
36 UNIT COST (\$/TON)	1,775.77	68.58	1,707.19	2489.2%	79.99	67.34	12.65	18.8%	
37 AMOUNT (\$)	*	626,847	4,162,345	(3,535,498)	-84.9%	34,012,493	43,031,204	(9,018,711)	-21.0%
38 ENDING INVENTORY:									
39 UNITS (TONS)	357,324	287,228	70,096	24.4%	357,324	287,228	70,096	24.4%	
40 UNIT COST (\$/TON)	70.49	74.19	(3.70)	-5.0%	70.49	74.19	(3.70)	-5.0%	
41 AMOUNT (\$)	25,187,928	21,309,903	3,878,025	18.2%	25,187,928	21,309,903	3,878,025	18.2%	
42									
43 DAYS SUPPLY:	251	201	50	20.0%	-	-	-	-	
NATURAL GAS⁽³⁾									
44 PURCHASES:									
45 UNITS (MCF)	13,788,063	11,282,560	2,505,503	22.2%	105,339,682	92,777,196	12,562,486	13.5%	
46 UNIT COST (\$/MCF)	3.25	3.91	(0.66)	-16.9%	3.41	4.35	(0.94)	-21.6%	
47 AMOUNT (\$)	44,791,841	44,081,714	710,127	1.6%	359,225,928	403,542,642	(44,316,714)	-11.0%	
48 BURNED:									
49 UNITS (MCF)	13,782,981	11,282,560	2,500,421	22.2%	105,386,682	92,382,000	13,004,682	14.1%	
50 UNIT COST (\$/MCF)	3.25	3.91	(0.67)	-17.0%	3.52	4.36	(0.84)	-19.3%	
51 AMOUNT (\$)	44,725,793	44,126,514	599,279	1.4%	370,593,827	402,804,457	(32,210,630)	-8.0%	
52 ENDING INVENTORY:									
53 UNITS (MCF)	383,934	826,848	(442,914)	-53.6%	383,934	826,848	(442,914)	-53.6%	
54 UNIT COST (\$/MCF)	2.70	2.82	(0.12)	-4.4%	2.70	2.82	(0.12)	-4.4%	
55 AMOUNT (\$)	1,035,575	2,332,425	(1,296,850)	-55.6%	1,035,575	2,332,425	(1,296,850)	-55.6%	
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: September 2019

	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 Big Bend 4 coal adjustment of 353 tons and \$207,640 for August 2019.

(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	14,674
NON-INV EXPENSE	404,533
BIG BEND #2 IGNITION	0
BIG BEND NG IGNITION	0
POLK NG IGNITION	0
AERIAL SURVEY ADJ	0
ADDITIVES	0
TOTAL	419,207

(3) RECONCILIATION - NATURAL GAS

DIFFERENCE IN ENDING INVENTORY DOLLARS DUE TO:

	UNITS	DOLLARS
ADDITIVES	0	0
BIG BEND NG IGNITION	0	0
POLK NG IGNITION	0	0
INVENTORY ADJ	0	0
TOTAL	0	0

POWER SOLD
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	1,000.0	0.0	1,000.0	2.277	2.391	22,770.00	23,912.00	1,142.00
VARIOUS	JURISD.	MKT.BASE	930.0	0.0	930.0	3.046	3.351	28,324.44	31,160.00	2,835.56
TOTAL			1,930.0	0.0	1,930.0	2.647	2.853	51,094.44	55,072.00	3,977.56
ACTUAL:										
SEMINOLE ELEC. PRECO-1	JURISD.	SCH. - D	2,478.0	0.0	2,478.0	2.019	2.221	50,034.40	55,037.84	4,147.65
EXGEN		SCH. - MA	2,539.0	0.0	2,539.0	1.660	2.615	42,144.19	66,386.52	19,392.84
FLORIDA POWER & LIGHT		SCH. - MA	60.0	0.0	60.0	1.977	3.519	1,186.20	2,111.40	813.00
CITY OF LAKELAND		SCH. - MB	4,089.0	0.0	4,089.0	3.187	4.416	130,316.43	180,553.70	50,237.27
ORLANDO UTILITIES		SCH. - MA	3,605.0	0.0	3,605.0	2.413	4.108	86,997.25	148,091.05	52,757.15
SEMINOLE ELECTRIC		SCH. - MA	1,600.0	0.0	1,600.0	1.831	2.906	29,296.00	46,492.69	14,060.69
THE ENERGY AUTHORITY		SCH. - MA	2,925.0	0.0	2,925.0	2.368	3.456	69,273.15	101,076.44	27,538.54
EDF TRADING		SCH. - MA	100.0	0.0	100.0	2.069	3.403	2,069.00	3,403.26	1,143.26
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/MB								0.00
SUB-TOTAL CURRENT MONTH			17,396.0	0.0	17,396.0	2.364	3.467	411,316.62	603,152.90	170,090.40
NO ADJUSTMENTS TO PRIOR MONTHS										
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.			2,478.0	0.0	2,478.0	2.019	2.221	50,034.40	55,037.84	4,147.65
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/MB POWER SALES-JURISD.			14,918.0	0.0	14,918.0	2.422	3.674	361,282.22	548,115.06	165,942.75
SUB-TOTAL OATT POWER SALES			0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TOTAL			17,396.0	0.0	17,396.0	2.364	3.467	411,316.62	603,152.90	170,090.40
CURRENT MONTH:										
DIFFERENCE			15,466.0	0.0	15,466.0	(0.283)	0.614	360,222.18	548,080.90	166,112.84
DIFFERENCE %			801.3%	0.0%	801.3%	-10.7%	21.5%	705.0%	995.2%	4176.2%
PERIOD TO DATE:										
ACTUAL			79,769.2	1.2	79,768.0	2.262	3.399	1,804,415.10	2,711,164.48	801,795.02
ESTIMATED			17,330.0	0.0	17,330.0	3.238	3.498	561,089.57	606,242.00	45,152.43
DIFFERENCE			62,439.2	1.2	62,438.0	(0.976)	(0.099)	1,243,325.53	2,104,922.48	756,642.59
DIFFERENCE %			360.3%	0.0%	360.3%	-30.1%	-2.8%	221.6%	347.2%	1675.8%

PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
MONTH OF: September 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		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	1,407.0	0.0	0.0	1,407.0	2.069	2.069	29,109.11
SUB-TOTAL CURRENT MONTH		1,407.0	0.0	0.0	1,407.0	2.069	2.069	29,109.11
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		1,407.0	0.0	0.0	1,407.0	2.069	2.069	29,109.11
TOTAL		1,407.0	0.0	0.0	1,407.0	2.069	2.069	29,109.11
CURRENT MONTH:								
DIFFERENCE		1,407.0	0.0	0.0	1,407.0	2.069	2.069	29,109.11
DIFFERENCE %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PERIOD TO DATE:								
ACTUAL		7,757.0	0.0	0.0	7,757.0	3.784	3.784	293,517.34
ESTIMATED		0.0	0.0	0.0	0.0	0.000	0.000	0.00
DIFFERENCE		7,757.0	0.0	0.0	7,757.0	3.784	3.784	293,517.34
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: September 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.	7,500.0	0.0	0.0	7,500.0	2.517	2.517	188,810.00
TOTAL		7,500.0	0.0	0.0	7,500.0	2.517	2.517	188,810.00
ACTUAL:								
AS AVAILABLE								
CARGILL RIDGEWOOD	COGEN.	1,167.0	0.0	0.0	1,167.0	2.016	2.016	23,531.73
CARGILL MILLPOINT	COGEN.	2,384.0	0.0	0.0	2,384.0	2.033	2.033	48,461.90
IMC-AGRICO-NEW WALES	COGEN.	227.0	0.0	0.0	227.0	2.525	2.525	5,730.88
IMC-AGRICO-S. PIERCE	COGEN.	17,798.0	0.0	0.0	17,798.0	2.150	2.150	382,581.49
SUB-TOTAL CURRENT MONTH		21,576.0	0.0	0.0	21,576.0	2.133	2.133	460,306.00
NET METERING		9.7	0.0	0.0	9.7	2.530	2.530	245.50
NO ADJUSTMENTS TO PRIOR MONTHS								
TOTAL INCL NET METERING		21,585.7	0.0	0.0	21,585.7	2.134	2.134	460,551.50
CURRENT MONTH:								
DIFFERENCE		14,085.7	0.0	0.0	14,085.7	(0.384)	(0.384)	271,741.50
DIFFERENCE %		187.8%	0.0%	0.0%	187.8%	-15.2%	-15.2%	143.9%
PERIOD TO DATE:								
ACTUAL		166,089.6	0.0	0.0	166,089.6	2.173	2.173	3,608,715.29
ESTIMATED		67,560.0	0.0	0.0	67,560.0	2.921	2.921	1,973,210.00
DIFFERENCE		98,529.6	0.0	0.0	98,529.6	(0.748)	(0.748)	1,635,505.29
DIFFERENCE %		145.8%	0.0%	0.0%	145.8%	-25.6%	-25.6%	82.9%

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
MONTH OF: September 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	153,200.0	0.0	153,200.0	3.637	5,572,520.00	3.868	5,926,310.00	353,790.00
TOTAL		153,200.0	0.0	153,200.0	3.637	5,572,520.00	3.868	5,926,310.00	353,790.00
ACTUAL:									
DUKE ENERGY FLORIDA	SCH. - J	165,490.0	0.0	165,490.0	2.995	4,955,613.34	3.489	5,774,285.05	818,671.71
FLA. POWER & LIGHT	SCH. - J	100.0	0.0	100.0	3.800	3,800.00	3.800	3,800.00	0.00
FMPA	SCH. - J	28,800.0	0.0	28,800.0	3.026	871,568.45	2.880	829,520.45	(42,048.00)
EDF TRADING	SCH. - J	696.0	0.0	696.0	7.300	50,808.00	7.300	50,808.00	0.00
EXGEN	SCH. - J	325.0	0.0	325.0	4.115	13,375.00	4.115	13,375.00	0.00
SOUTHERN COMPANY	SCH. - J	690.0	0.0	690.0	5.874	40,530.00	5.874	40,530.00	0.00
SUB-TOTAL CURRENT MONTH		196,101.0	0.0	196,101.0	3.027	5,935,694.79	3.423	6,712,318.50	776,623.71
ADJUSTMENTS TO PRIOR MONTHS:									
DUKE ENERGY FLORIDA	Aug 2019 SCH. - J	(168,392.0)	0.0	(168,392.0)	3.046	(5,128,629.31)	3.608	(6,075,352.45)	(946,723.14)
DUKE ENERGY FLORIDA	Aug 2019 SCH. - J	168,392.0	0.0	168,392.0	3.290	5,540,420.41	3.852	6,487,143.55	946,723.14
FMPA	Aug 2019 SCH. - J	(29,760.0)	0.0	(29,760.0)	2.675	(796,176.51)	1.950	(580,416.51)	215,760.00
FMPA	Aug 2019 SCH. - J	29,760.0	0.0	29,760.0	2.675	796,176.48	1.950	580,416.48	(215,760.00)
SUB-TOTAL ADJUSTMENTS		0.0	0.0	0.0	0.000	411,791.07	0.000	411,791.07	0.00
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		196,101.0	0.0	196,101.0	3.237	6,347,485.86	3.633	7,124,109.57	776,623.71
TOTAL		196,101.0	0.0	196,101.0	3.237	6,347,485.86	3.633	7,124,109.57	776,623.71
CURRENT MONTH:									
DIFFERENCE		42,901.0	0.0	42,901.0	(0.401)	774,965.86	(0.235)	1,197,799.57	422,833.71
DIFFERENCE %		28.0%	0.0%	28.0%	-11.0%	13.9%	-6.1%	20.2%	119.5%
PERIOD TO DATE:									
ACTUAL		987,122.0	143.8	986,978.2	3.478	34,326,681.42	4.502	44,438,057.92	10,111,376.50
ESTIMATED		679,640.0	0.0	679,640.0	3.690	25,080,090.00	4.251	28,891,848.00	3,811,758.00
DIFFERENCE		307,482.0	143.8	307,338.2	(0.212)	9,246,591.42	0.251	15,546,209.92	6,299,618.50
DIFFERENCE %		45.2%	0.0%	45.2%	-5.8%	36.9%	5.9%	53.8%	165.3%

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

CONTRACT	TERM		CONTRACT TYPE	
	START	END		
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	TOTAL
SEMINOLE ELECTRIC	8.1	10.8	9.1	9.3	11.5	18.4	8.4	6.3	7.3				

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)	\$ (33,906)	\$ (33,514)	\$ (72,756)	\$ (43,150)	\$ -	\$ -	\$ -	\$ (464,960)
TOTAL CAPACITY	\$ (55,697)	\$ (79,999)	\$ (5,304)	\$ (34,891)	\$ (105,743)	\$ (33,906)	\$ (33,514)	\$ (72,756)	\$ (43,150)	\$ -	\$ -	\$ -	\$ (464,960)

**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: August 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	40,539	0	40,539	0.0%	116,190	142,781	(26,591)	-18.6%
3 COAL	4,685,385	4,571,434	113,951	2.5%	33,385,646	38,868,859	(5,483,213)	-14.1%
4 NATURAL GAS	39,921,443	47,615,441	(7,693,998)	-16.2%	325,868,034	358,677,943	(32,809,909)	-9.1%
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 (\$)	44,647,367	52,186,875	(7,539,508)	-14.4%	359,369,870	397,689,583	(38,319,713)	-9.6%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	156	0	156	0.0%	355	600	(245)	-40.8%
10 COAL	121,911	128,990	(7,079)	-5.5%	895,356	1,181,990	(286,634)	-24.3%
11 NATURAL GAS	1,683,665	1,677,750	5,915	0.4%	11,730,502	11,252,460	478,042	4.2%
12 SOLAR	59,952	97,780	(37,828)	-38.7%	503,915	742,730	(238,815)	-32.2%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,865,684	1,904,520	(38,836)	-2.0%	13,130,128	13,177,780	(47,652)	-0.4%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	318	0	318	0.0%	911	1,120	(209)	-18.7%
17 COAL (TON)	59,500	66,780	(7,280)	-10.9%	424,839	578,300	(153,461)	-26.5%
18 NATURAL GAS (MCF)	12,913,441	12,097,040	816,401	6.7%	91,603,701	81,099,440	10,504,261	13.0%
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	1,855	0	1,855	0.0%	5,300	6,460	(1,160)	-18.0%
23 COAL	1,343,912	1,502,630	(158,718)	-10.6%	9,838,596	13,011,780	(3,173,184)	-24.4%
24 NATURAL GAS	13,223,363	12,420,280	803,083	6.5%	93,608,823	83,211,360	10,397,463	12.5%
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)	14,569,130	13,922,910	646,220	4.6%	103,452,719	96,229,600	7,223,119	7.5%
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%	0.00%	0.01%	0.0%	0.00%	0.00%	0.00%	-40.6%
30 COAL	6.53%	6.77%	-0.24%	-3.5%	6.82%	8.97%	-2.15%	-24.0%
31 NATURAL GAS	90.24%	88.09%	2.15%	2.4%	89.34%	85.39%	3.95%	4.6%
32 SOLAR	3.21%	5.13%	-1.92%	-37.4%	3.84%	5.64%	-1.80%	-31.9%
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)	127.48	0.00	127.48	0.0%	127.54	127.48	0.06	0.0%
37 COAL (\$/TON)	78.75	68.46	10.29	15.0%	78.58	67.21	11.37	16.9%
38 NATURAL GAS (\$/MCF)	3.09	3.94	(0.84)	-21.5%	3.56	4.42	(0.87)	-19.6%
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	21.85	0.00	21.85	0.0%	21.92	22.10	(0.18)	-0.8%
43 COAL	3.49	3.04	0.44	14.6%	3.39	2.99	0.41	13.6%
44 NATURAL GAS	3.02	3.83	(0.81)	-21.3%	3.48	4.31	(0.83)	-19.2%
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)	3.06	3.75	(0.68)	-18.2%	3.47	4.13	(0.66)	-15.9%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: August 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	11,891	0	11,891	0.0%	14,930	10,767	4,163	38.7%
50 COAL	11,024	11,649	(625)	-5.4%	10,988	11,008	(20)	-0.2%
51 NATURAL GAS	7,854	7,403	451	6.1%	7,980	7,395	585	7.9%
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)	7,809	7,310	499	6.8%	7,879	7,302	577	7.9%
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	25.99	0.00	25.99	0.0%	32.73	23.80	8.93	37.5%
57 COAL	3.84	3.54	0.30	8.5%	3.73	3.29	0.44	13.4%
58 NATURAL GAS	2.37	2.84	(0.47)	-16.5%	2.78	3.19	(0.41)	-12.9%
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)	2.39	2.74	(0.35)	-12.8%	2.74	3.02	(0.28)	-9.3%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: August 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	249	20.9	-	48.0	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,305	22.9	-	45.8	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	185	16.6	-	33.5	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	8,432	16.1	-	32.8	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	11,064	20.0	-	41.4	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	9,262	16.7	-	34.6	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	8,114	17.8	-	38.7	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	7,663	18.6	-	39.0	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	4,986	17.9	-	35.9	-	SOLAR	-	-	-	-	-	-
LAKE HANCOCK SOLAR	49.5	6,692	18.2	-	37.2	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	445.2	59,952	18.1	-	36.1	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	305	0	0.0	80.8	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	340	158,846	62.8	90.4	79.6	11,562	GAS	1,793,504	1,024,000	1,836,547.8	5,534,650	3.48	3.09
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	34,033	13.3	65.1	50.6	-	GAS	426,481	1,024,000	436,716.8	1,316,097	3.87	3.09
BIG BEND #3 TOTAL	345	34,033	13.3	65.1	50.6	12,832	-	-	-	436,716.8	1,316,097	3.87	-
B.B.#4 (COAL)	437	123,043	37.8	63.1	67.0	-	COAL	59,500	22,615,120	1,343,911.5	4,673,524	3.80	78.55
B.B.#4 (GAS)	185	14,093	10.2	63.1	84.6	-	GAS	153,536	1,024,000	157,220.5	473,804	3.36	3.09
BIG BEND #4 TOTAL	437	137,136	42.2	63.1	61.5	11,017	-	-	-	1,501,132.0	5,147,328	3.75	-
B.B. IGNITION	-	-	-	-	-	-	GAS	20,646	0	21,141.0	63,711	-	3.09
BIG BEND CT #4 TOTAL	56	1,705	4.1	92.1	76.6	12,036	GAS	20,041	1,024,000	20,522.0	61,845	3.63	3.09
BIG BEND STATION TOTAL	1,483	331,720	32.0	74.7	40.6	11,469	-	-	-	3,794,918.7	12,123,631	3.65	-
POLK #1 GASIFIER ⁽³⁾	220	(1,132)	0.0	0.0	0.0	0	COAL	0	0	0.0	11,861	(1.05)	0.00
POLK #1 CT (GAS)	150	35,913	31.5	100.0	57.2	13,232	GAS	464,067	1,024,000	475,205.0	1,432,085	2.72	3.09
POLK #1 ST	85	16,709	25.9	100.0	47.6	0	-	-	-	-	-	-	-
POLK #1 TOTAL	235	51,490	29.4	100.0	53.5	9,229	-	-	-	475,205.0	1,443,946	2.80	-
POLK #2 ST DUCT FIRING	120	18,471	20.7	-	88.2	8,400	GAS	151,520	1,024,000	155,156.0	467,581	2.53	3.09
POLK #2 ST W/O DUCT FIRING	341	242,450	95.6	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	260,921	76.1	100.0	88.2	-	GAS	-	-	155,156.0	467,581	0.18	-
POLK #2 CT (GAS)	150	100,776	90.3	100.0	93.8	11,157	GAS	1,098,019	1,024,000	1,124,371.0	3,388,422	3.36	3.09
POLK #2 CT (OIL)	159	32	0.0	100.0	28.6	11,883	LGT.OIL	66	5,829,600	378.7	8,361	26.13	127.48
POLK #2 TOTAL	150	100,808	90.3	100.0	93.8	11,157	-	-	-	1,124,749.7	3,396,783	3.37	-
POLK #3 CT (GAS)	150	98,663	88.5	96.6	95.7	11,008	GAS	1,060,613	1,024,000	1,086,068.0	3,272,991	3.32	3.09
POLK #3 CT (OIL)	159	124	0.1	96.6	37.2	11,883	LGT.OIL	252	5,829,600	1,476.5	32,178	25.95	127.48
POLK #3 TOTAL	150	98,787	88.5	96.6	95.7	11,009	-	-	-	1,087,544.5	3,305,169	3.35	-
POLK #4 TOTAL	150	107,732	96.5	99.9	97.6	10,789	GAS	1,135,131	1,024,000	1,162,374.0	3,502,948	3.25	3.09
POLK #5 TOTAL	150	105,449	94.5	100.0	97.5	10,811	GAS	1,113,313	1,024,000	1,140,033.0	3,435,621	3.26	3.09
POLK #2 CC TOTAL	1,061	673,697	85.3	99.5	85.3	6,932	GAS	-	-	4,669,857.2	14,108,102	2.09	-
POLK STATION TOTAL	1,296	725,187	75.2	99.6	75.2	7,095	-	-	-	5,145,062.2	15,552,048	2.14	-

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

SCHEDULE A4
PAGE 2 OF 2
REVISED 10/21/19

(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	122,479	70.7	91.1	70.7	-		-	-	-	-	-	-
BAYSIDE CT1A	156	65,061	56.1	90.5	77.4	11,831	GAS	751,678	1,024,000	769,717.9	2,320,673	3.57	3.09
BAYSIDE CT1B	156	78,586	67.7	100.0	77.7	11,812	GAS	906,473	1,024,000	928,228.2	2,798,575	3.56	3.09
BAYSIDE CT1C	156	74,244	64.0	100.0	77.3	11,549	GAS	837,313	1,024,000	857,408.2	2,585,056	3.48	3.09
BAYSIDE UNIT 1 TOTAL	701	340,370	65.3	94.9	65.3	7,508	GAS	2,495,464	1,024,000	2,555,354.2	7,704,304	2.26	3.09
BAYSIDE ST 2	305	143,535	63.3	92.2	68.6	-		-	-	-	-	-	-
BAYSIDE CT2A	156	56,094	48.3	91.6	80.0	11,428	GAS	626,022	1,024,000	641,046.3	1,932,733	3.45	3.09
BAYSIDE CT2B	156	55,774	48.1	92.2	80.1	11,574	GAS	630,377	1,024,000	645,505.7	1,946,178	3.49	3.09
BAYSIDE CT2C	156	69,497	59.9	92.2	79.9	11,679	GAS	792,598	1,024,000	811,620.7	2,447,007	3.52	3.09
BAYSIDE CT2D	156	80,786	69.6	92.2	78.4	11,691	GAS	922,371	1,024,000	944,508.3	2,847,659	3.52	3.09
BAYSIDE UNIT 2 TOTAL	929	405,686	58.7	92.1	63.7	7,500	GAS	2,971,368	1,024,000	3,042,681.0	9,173,577	2.26	3.09
BAYSIDE UNIT 3 TOTAL	56	362	0.9	100.0	89.5	11,112	GAS	3,930	1,024,000	4,024.9	12,135	3.35	3.09
BAYSIDE UNIT 4 TOTAL	56	0	0.0	100.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE UNIT 5 TOTAL	56	1,296	3.1	87.1	86.6	11,483	GAS	14,534	1,024,000	14,882.6	44,870	3.46	3.09
BAYSIDE UNIT 6 TOTAL	56	1,111	2.7	99.2	88.8	10,990	GAS	11,920	1,024,000	12,206.4	36,802	3.31	3.09
BAYSIDE STATION TOTAL	1,854	748,825	54.3	93.7	54.3	7,517	GAS	5,497,216	1,024,000	5,629,149.1	16,971,688	2.27	3.09
6 SYSTEM	5,078	1,865,684	49.4	89.3	55.2	7,814	-	-	-	14,569,129.9	44,647,367	2.39	-

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