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December 20, 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 November 2019.

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 20th day of December 2019 to the following:

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ATTORNEY



TAMPA ELECTRIC COMPANY

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

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	38,788,561	40,603,623	(1,815,062)	-4.5%	1,368,581	1,412,330	(43,749)	-3.1%	2.83422	2.87494	(0.04072)	-1.4%
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	362,337	362,010	327	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)	39,150,898	40,965,633	(1,814,735)	-4.4%	1,368,581	1,412,330	(43,749)	-3.1%	2.86069	2.90057	(0.03988)	-1.4%
6. Fuel Cost of Purchased Power - Firm (A7)	25,298	0	25,298	0.0%	995	0	995	0.0%	2.54251	0.00000	2.54251	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	2,412,301	823,900	1,588,401	192.8%	47,842	24,780	23,062	93.1%	5.04222	3.32486	1.71737	51.7%
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)	430,278	225,080	205,198	91.2%	20,642	7,370	13,272	180.1%	2.08448	3.05400	(0.96952)	-31.7%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	2,867,877	1,048,980	1,818,897	173.4%	69,479	32,150	37,329	116.1%	4.12769	3.26277	0.86492	26.5%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,438,060	1,444,480	(6,420)	-0.4%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	78,354	16,260	62,094	381.9%	4,155	640	3,515	549.2%	1.88578	2.54063	(0.65485)	-25.8%
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)	100,220	23,943	76,277	318.6%	5,119	700	4,419	631.3%	1.95780	3.42043	(1.46262)	-42.8%
18. Gains on Sales	48,387	3,212	45,175	1406.4%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	226,961	43,415	183,546	422.8%	9,274	1,340	7,934	592.1%	2.44728	3.23993	(0.79264)	-24.5%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					(52)	0	(52)	0.0%				
21. Wheeling Rec'd. less Wheeling Deliv'd.					6,596	0	6,596	0.0%				
22. Interchange and Wheeling Losses					6,816	32	6,784	21343.3%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	41,791,814	41,971,198	(179,384)	-0.4%	1,428,514	1,443,108	(14,594)	-1.0%	2.92554	2.90839	0.01716	0.6%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	(7,728,528) (a)	(5,198,600) (a)	(2,529,928)	48.7%	(264,174)	(178,745)	(85,429)	47.8%	2.92554	2.90839	0.01716	0.6%
25. Company Use	91,131 (a)	90,160 (a)	971	1.1%	3,115	3,100	15	0.5%	2.92555	2.90839	0.01717	0.6%
26. T & D Losses	1,013,760 (a)	3,846,990 (a)	(2,833,230)	-73.6%	34,652	132,272	(97,620)	-73.8%	2.92555	2.90839	0.01716	0.6%
27. System KWH Sales	41,791,814	41,971,198	(179,384)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.52531	2.82353	(0.29822)	-10.6%
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	41,791,814	41,971,198	(179,384)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.52531	2.82353	(0.29822)	-10.6%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	41,791,814	41,971,198	(179,384)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.52531	2.82353	(0.29822)	-10.6%
32. Adjustment-BB Unit 2 Outage Replacement Power Cost T-up	0	0	0	0.0%	1,654,921	1,486,481	168,440	11.3%	0.00000	0.00000	0.00000	0.0%
33. True-up *	3,949,496	3,949,496	0	0.0%	1,654,921	1,486,481	168,440	11.3%	0.23865	0.26569	(0.02704)	-10.2%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	45,741,310	45,920,694	(179,384)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.76396	3.08922	(0.32526)	-10.5%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	45,774,244	45,953,757	(179,513)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.76595	3.09145	(0.32550)	-10.5%
37. GPIF * (Already Adjusted for Taxes)	(188,418)	(188,418)	0	0.0%	1,654,921	1,486,481	168,440	11.3%	(0.01139)	(0.01268)	0.00129	-10.2%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	45,585,826	45,765,339	(179,513)	-0.4%	1,654,921	1,486,481	168,440	11.3%	2.75456	3.07877	(0.32421)	-10.5%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									2.755	3.079	(0.324)	-10.5%

* 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: November 2019

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	486,845,018	529,856,499	(43,011,481)	-8.1%	18,022,511	17,956,320	66,191	0.4%	2.70132	2.95081	(0.24949)	-8.5%
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
3. Coal Car Investment	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
4a. Adjustments - Big Bend Units 1-4 Igniters Conversion Project	4,102,862	4,102,218	644	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)	490,947,880	533,958,717	(43,010,837)	-8.1%	18,022,511	17,956,320	66,191	0.4%	2.72408	2.97365	(0.24957)	-8.4%
6. Fuel Cost of Purchased Power - Firm (A7)	344,557	0	344,557	0.0%	10,130	0	10,130	0.0%	3.40135	0.00000	3.40135	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A9)	43,370,564	31,878,210	11,492,354	36.1%	1,230,191	868,880	361,311	41.6%	3.52551	3.66889	(0.14337)	-3.9%
8. Energy Cost of Other Econ. Purch. (Non-Broker) (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0%	0	0	0	0.0%	0.00000	0.00000	0.00000	0.0%
11. Payments to Qualifying Facilities & Net Metering (A8)	4,440,748	2,446,980	1,993,768	81.5%	210,398	82,530	127,868	154.9%	2.11064	2.96496	(0.85432)	-28.8%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	48,155,869	34,325,190	13,830,679	40.3%	1,450,719	951,410	499,309	52.5%	3.31945	3.60782	(0.28837)	-8.0%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					19,473,230	18,907,730	565,500	3.0%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	575,912	255,340	320,572	125.5%	29,418	9,740	19,678	202.0%	1.95769	2.62156	(0.66387)	-25.3%
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)	2,735,462	410,205	2,325,257	566.9%	120,394	10,790	109,604	1015.8%	2.27209	3.80171	(1.52962)	-40.2%
18. Gains on Sales	1,523,637	53,866	1,469,771	2728.6%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	4,835,011	719,411	4,115,600	572.1%	149,812	20,530	129,282	629.7%	3.22739	3.50419	(0.27681)	-7.9%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertant Interchange					(206)	0	(206)	0.0%				
21. Wheeling Rec'd. less Wheeling Deliv'd.					32,039	0	32,039	0.0%				
22. Interchange and Wheeling Losses					35,587	486	35,101	7223.3%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	534,268,738	567,564,496	(33,295,758)	-5.9%	19,319,664	18,886,714	432,950	2.3%	2.76541	3.00510	(0.23968)	-8.0%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	(2,358,534) (a)	(2,080,609) (a)	(277,925)	13.4%	(59,446)	(36,545)	(22,901)	62.7%	3.96752	5.69328	(1.72576)	-30.3%
25. Company Use	964,386 (a)	1,036,875 (a)	(72,489)	-7.0%	34,648	34,100	548	1.6%	2.78338	3.04069	(0.25731)	-8.5%
26. T & D Losses	25,915,500 (a)	26,053,111 (a)	(137,611)	-0.5%	939,226	858,193	81,033	9.4%	2.75924	3.03581	(0.27657)	-9.1%
27. System KWH Sales	534,268,738	567,564,496	(33,295,758)	-5.9%	18,405,236	18,030,966	374,270	2.1%	2.90281	3.14772	(0.24491)	-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	534,268,738	567,564,496	(33,295,758)	-5.9%	18,405,236	18,030,966	374,270	2.1%	2.90281	3.14772	(0.24491)	-7.8%
30. Jurisdictional Loss Multiplier									1.00000	1.00000	0.00000	0.0%
31. Jurisdictional KWH Sales Adjusted for Line Losses	534,268,738	567,564,496	(33,295,758)	-5.9%	18,405,236	18,030,966	374,270	2.1%	2.90281	3.14772	(0.24491)	-7.8%
32. Adjustments - Schedule A2, page 2, lines 6c and 7a	0	0	0	0.0%	18,405,236	18,030,966	374,270	2.1%	0.00000	0.00000	0.00000	0.0%
33. True-up *	29,842,096	29,842,096	0	0.0%	18,405,236	18,030,966	374,270	2.1%	0.16214	0.16550	(0.00337)	-2.0%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	564,110,834	597,406,592	(33,295,758)	-5.6%	18,405,236	18,030,966	374,270	2.1%	3.06495	3.31323	(0.24828)	-7.5%
35. Revenue Tax Factor									1.00072	1.00072	0.00000	0.0%
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	564,516,994	597,836,724	(33,319,730)	-5.6%	18,405,236	18,030,966	374,270	2.1%	3.06715	3.31561	(0.24846)	-7.5%
37. GPIF * (Already Adjusted for Taxes)	(2,072,598)	(2,072,598)	0	0.0%	18,405,236	18,030,966	374,270	2.1%	(0.01126)	(0.01149)	0.00023	-2.0%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	562,444,396	595,764,126	(33,319,730)	-5.6%	18,405,236	18,030,966	374,270	2.1%	3.05589	3.30412	(0.24823)	-7.5%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.056	3.304	(0.248)	-7.5%

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

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	38,788,561	40,603,623	(1,815,062)	-4.5%	486,845,018	529,856,499	(43,011,481)	-8.1%	
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0%	0	0	0	0.0%	
2. FUEL COST OF POWER SOLD	178,574	40,203	138,371	344.2%	3,311,374	665,545	2,645,829	397.5%	
2a. GAINS FROM SALES	48,387	3,212	45,175	1406.4%	1,523,637	53,866	1,469,771	2728.6%	
3. FUEL COST OF PURCHASED POWER	25,298	0	25,298	0.0%	344,557	0	344,557	0.0%	
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0%	0	0	0	0.0%	
3b. PAYMENT TO QUALIFIED FACILITIES	430,278	225,080	205,198	91.2%	4,440,748	2,446,980	1,993,768	81.5%	
4. ENERGY COST OF ECONOMY PURCHASES	2,412,301	823,900	1,588,401	192.8%	43,370,564	31,878,210	11,492,354	36.1%	
5. TOTAL FUEL & NET POWER TRANSACTION	41,429,477	41,609,188	(179,711)	-0.4%	530,165,876	563,462,278	(33,296,402)	-5.9%	
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	362,337	362,010	327	0.1%	4,102,862	4,102,218	644	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.	41,791,814	41,971,198	(179,384)	-0.4%	534,268,738	567,564,496	(33,295,758)	-5.9%	
B. MWH SALES									
1. JURISDICTIONAL SALES	1,654,921	1,486,481	168,440	11.3%	18,405,236	18,030,966	374,270	2.1%	
2. NONJURISDICTIONAL SALES	0	0	0	0.0%	0	0	0	0.0%	
3. TOTAL SALES	1,654,921	1,486,481	168,440	11.3%	18,405,236	18,030,966	374,270	2.1%	
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: November 2019

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	
C. TRUE-UP CALCULATION									
1. JURISDICTIONAL FUEL REVENUE	53,011,195	47,216,277	5,794,918	12.3%	571,227,618	559,698,144	11,529,474	2.1%	
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%	(29,842,096)	(29,842,096)	0	0.0%	
2b. GPIF PROVISION	188,418	188,418	0	0.0%	2,072,598	2,072,598	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>49,250,117</u>	<u>43,455,199</u>	<u>5,794,918</u>	<u>13.3%</u>	<u>543,458,120</u>	<u>531,928,646</u>	<u>11,529,474</u>	<u>2.2%</u>	
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	41,791,814	41,971,198	(179,384)	-0.4%	534,268,738	567,564,496	(33,295,758)	-5.9%	
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.	41,791,814	41,971,198	(179,384)	-0.4%	534,268,738	567,564,496	(33,295,758)	-5.9%	
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)	41,791,814	41,971,198	(179,384)	-0.4%	534,268,738	567,564,496	(33,295,758)	-5.9%	
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>41,791,814</u>	<u>41,971,198</u>	<u>(179,384)</u>	<u>-0.4%</u>	<u>534,268,738</u>	<u>567,564,496</u>	<u>(33,295,758)</u>	<u>-5.9%</u>	
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	7,458,303	1,484,001	5,974,302	402.6%	9,189,382	(35,635,850)	44,825,232	-125.8%	
8. INTEREST PROVISION FOR THE MONTH	(6,152)	(5,728)	(424)	7.4%	(886,533)	(655,949)	(230,584)	35.2%	
9. TRUE-UP & INT. PROV. BEG. OF MONTH	(10,227,611)	(4,861,987)	(5,365,624)	110.4%	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>1,174,036</u>	<u>565,782</u>	<u>608,254</u>	<u>107.5%</u>	NOT APPLICABLE				

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

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		
			AMOUNT	%			AMOUNT	%	
D. INTEREST PROVISION									
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	(10,227,611)	(4,861,987)	(5,365,624)	110.4%	NOT APPLICABLE				
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	1,180,188	571,510	608,678	106.5%	NOT APPLICABLE				
3. TOTAL BEG. & END. TRUE-UP AMOUNT	<u>(9,047,423)</u>	<u>(4,290,477)</u>	<u>(4,756,946)</u>	<u>110.9%</u>	NOT APPLICABLE				
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	(4,523,712)	(2,145,239)	(2,378,473)	110.9%	NOT APPLICABLE				
5. INT. RATE-FIRST DAY REP. BUS. MONTH	1.660	3.200	(1.540)	-48.1%	NOT APPLICABLE				
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	1.600	3.200	(1.600)	-50.0%	NOT APPLICABLE				
7. TOTAL (LINE D5 + LINE D6)	<u>3.260</u>	<u>6.400</u>	<u>(3.140)</u>	<u>-49.1%</u>	NOT APPLICABLE				
8. AVERAGE INT. RATE (50% OF LINE D7)	1.630	3.200	(1.570)	-49.1%	NOT APPLICABLE				
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.136	0.267	(0.131)	-49.1%	NOT APPLICABLE				
10. INT. PROVISION (LINE D4 x LINE D9)	<u>(6,152)</u>	<u>(5,728)</u>	<u>(424)</u>	<u>7.4%</u>	NOT APPLICABLE				

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	0	0	0.0%	183,150	142,781	40,369	28.3%
3 COAL	6,342,724	4,741,470	1,601,254	33.8%	40,733,167	47,772,674	(7,039,507)	-14.7%
4 NATURAL GAS	32,445,837	35,862,153	(3,416,316)	-9.5%	445,928,701	481,941,044	(36,012,343)	-7.5%
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 (\$)	38,788,561	40,603,623	(1,815,062)	-4.5%	486,845,018	529,856,499	(43,011,481)	-8.1%
SYSTEM NET GENERATION (MWH)								
8 HEAVY OIL	0	0	0	0.0%	0	0	0	0.0%
9 LIGHT OIL	0	0	0	0.0%	582	600	(18)	-3.0%
10 COAL	177,823	140,610	37,213	26.5%	1,070,870	1,438,570	(367,700)	-25.6%
11 NATURAL GAS	1,134,144	1,204,300	(70,156)	-5.8%	16,239,464	15,554,220	685,244	4.4%
12 SOLAR	56,614	67,420	(10,806)	-16.0%	711,595	962,930	(251,335)	-26.1%
13 OTHER	0	0	0	0.0%	0	0	0	0.0%
14 TOTAL (MWH)	1,368,581	1,412,330	(43,749)	-3.1%	18,022,511	17,956,320	66,191	0.4%
UNITS OF FUEL BURNED								
15 HEAVY OIL (BBL)	0	0	0	0.0%	0	0	0	0.0%
16 LIGHT OIL (BBL)	0	0	0	0.0%	1,436	1,120	316	28.2%
17 COAL (TON)	83,362	69,060	14,302	20.7%	508,554	708,050	(199,496)	-28.2%
18 NATURAL GAS (MCF)	9,049,974	8,738,260	311,714	3.6%	127,566,673	111,877,770	15,688,903	14.0%
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	0	0	0	0.0%	8,362	6,460	1,902	29.4%
23 COAL	1,924,702	1,553,830	370,872	23.9%	11,772,969	15,931,230	(4,158,261)	-26.1%
24 NATURAL GAS	9,258,124	8,966,610	291,514	3.3%	130,439,640	114,791,420	15,648,220	13.6%
25 SOLAR	0	0	0	0.0%	0	0	0	0.0%
26 OTHER	0	0	0	0.0%	0	0	0	0.0%
27 TOTAL (MMBTU)	11,182,826	10,520,440	662,386	6.3%	142,220,971	130,729,110	11,491,861	8.8%
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%	0.00%	0.00%	-3.4%
30 COAL	12.99%	9.96%	3.04%	30.5%	5.94%	8.01%	-2.07%	-25.8%
31 NATURAL GAS	82.87%	85.27%	-2.40%	-2.8%	90.11%	86.62%	3.48%	4.0%
32 SOLAR	4.14%	4.77%	-0.64%	-13.3%	3.95%	5.36%	-1.41%	-26.4%
33 OTHER	0.00%	0.00%	0.00%	0.0%	0.00%	0.00%	0.00%	0.0%
34 TOTAL (%)	100.00%	100.00%	0.00%	0.0%	100.00%	100.00%	0.00%	0.0%
FUEL COST PER UNIT								
35 HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
36 LIGHT OIL (\$/BBL)	0.00	0.00	0.00	0.0%	127.54	127.48	0.06	0.0%
37 COAL (\$/TON)	76.09	68.66	7.43	10.8%	80.10	67.47	12.63	18.7%
38 NATURAL GAS (\$/MCF)	3.59	4.10	(0.52)	-12.6%	3.50	4.31	(0.81)	-18.9%
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	0.00	0.00	0.0%	21.90	22.10	(0.20)	-0.9%
43 COAL	3.30	3.05	0.24	8.0%	3.46	3.00	0.46	15.4%
44 NATURAL GAS	3.50	4.00	(0.49)	-12.4%	3.42	4.20	(0.78)	-18.6%
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)	3.47	3.86	(0.39)	-10.1%	3.42	4.05	(0.63)	-15.5%

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	0	0	0.0%	14,368	10,767	3,601	33.4%
50 COAL	10,824	11,051	(227)	-2.1%	10,994	11,074	(80)	-0.7%
51 NATURAL GAS	8,163	7,445	718	9.6%	8,032	7,380	652	8.8%
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)	8,171	7,449	722	9.7%	7,891	7,280	611	8.4%
GENERATED FUEL COST PER KWH (cents/KWH)								
55 HEAVY OIL	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
56 LIGHT OIL	0.00	0.00	0.00	0.0%	31.47	23.80	7.67	32.2%
57 COAL	3.57	3.37	0.20	5.9%	3.80	3.32	0.48	14.5%
58 NATURAL GAS	2.86	2.98	(0.12)	-4.0%	2.75	3.10	(0.35)	-11.3%
59 SOLAR	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
60 OTHER	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
61 TOTAL (cents/KWH)	2.83	2.87	(0.04)	-1.4%	2.70	2.95	(0.25)	-8.5%

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	207	18.0	-	49.2	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,441	17.5	-	41.2	-	SOLAR	-	-	-	-	-	-
LEGOLAND SOLAR	1.5	124	11.5	-	26.9	-	SOLAR	-	-	-	-	-	-
PAYNE CREEK SOLAR	70.3	9,670	19.1	-	44.8	-	SOLAR	-	-	-	-	-	-
BALM SOLAR	74.4	9,897	18.5	-	44.3	-	SOLAR	-	-	-	-	-	-
LITHIA SOLAR	74.5	10,037	18.7	-	44.0	-	SOLAR	-	-	-	-	-	-
GRANGE HALL SOLAR	61.1	7,822	17.8	-	42.4	-	SOLAR	-	-	-	-	-	-
PEACE CREEK SOLAR	55.4	6,756	16.9	-	40.2	-	SOLAR	-	-	-	-	-	-
BONNIE MINE SOLAR	37.5	3,466	12.8	-	29.6	-	SOLAR	-	-	-	-	-	-
LAKE HANCOCK SOLAR	49.5	6,194	17.4	-	41.0	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	445.2	56,614	17.6	-	40.8	-	SOLAR	-	-	-	-	-	-
BIG BEND #1 TOTAL	305	18,295	8.3	24.8	39.1	14,878	GAS	266,066	1,023,000	272,186.0	951,132	5.20	3.57
BIG BEND #2 TOTAL	340	35,245	14.4	36.8	42.7	12,546	GAS	432,250	1,023,000	442,192.2	1,545,205	4.38	3.57
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	141,353	56.9	99.4	58.5	-	GAS	1,608,617	1,023,000	1,645,615.2	5,750,468	4.07	3.57
BIG BEND #3 TOTAL	345	141,353	56.9	99.4	58.5	11,642	-	-	-	1,645,615.2	5,750,468	4.07	-
B.B.#4 (COAL)	437	178,918	56.8	83.8	69.6	-	COAL	83,362	23,088,485	1,924,702.3	6,342,724	3.55	76.09
B.B.#4 (GAS)	185	7,906	5.9	83.8	85.5	-	GAS	84,232	1,023,000	86,169.8	301,113	3.81	3.57
BIG BEND #4 TOTAL	437	186,824	59.3	83.8	67.0	10,763	-	-	-	2,010,872.1	6,643,837	3.56	-
B.B. IGNITION	-	-	-	-	-	-	GAS	24,660	1,023,000	25,227.0	88,154	-	3.57
BIG BEND CT #4 TOTAL	(4) 56	273	0.7	85.4	69.3	17,710	GAS	4,879	1,023,000	4,991.6	16,896	6.19	3.46
BIG BEND STATION TOTAL	1,483	381,990	38.1	63.3	39.2	11,455	-	-	-	4,375,857.2	14,995,692	3.93	-
POLK #1 GASIFIER	(3) 220	(1,095)	0.0	0.0	0.0	0	COAL	0	0	0.0	0	0.00	0.00
POLK #1 CT (GAS)	150	44,569	40.5	86.3	81.5	11,078	GAS	482,629	1,023,000	493,728.0	1,725,292	2.83	3.57
POLK #1 ST	85	16,362	26.3	87.9	53.5	0	-	-	-	-	-	-	-
POLK #1 TOTAL	235	59,836	35.4	86.9	71.1	8,251	-	-	-	493,728.0	1,725,292	2.88	-
POLK #2 ST DUCT FIRING	120	7,301	8.4	-	61.6	8,400	GAS	59,949	1,023,000	61,328.0	214,306	2.94	3.57
POLK #2 ST W/O DUCT FIRING	341	144,752	58.9	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	461	152,053	45.8	66.0	61.6	-	GAS	-	-	61,328.0	214,306	0.14	-
POLK #2 CT (GAS)	150	42,140	39.0	60.1	93.9	10,676	GAS	439,772	1,023,000	449,887.0	1,572,093	3.73	3.57
POLK #2 CT (OIL)	159	0	0.0	60.1	0.0	0	LG.T.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	150	42,140	39.0	60.1	93.9	10,676	-	-	-	449,887.0	1,572,093	3.73	-
POLK #3 CT (GAS)	150	63,367	58.7	73.8	95.7	10,474	GAS	648,775	1,023,000	663,697.0	2,319,235	3.66	3.57
POLK #3 CT (OIL)	159	0	0.0	73.8	0.0	0	LG.T.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	150	63,367	58.7	73.8	95.7	10,474	-	-	-	663,697.0	2,319,235	3.66	-
POLK #4 TOTAL	150	74,991	69.4	72.5	98.4	11,846	GAS	868,346	1,023,000	888,318.0	3,104,155	4.14	3.57
POLK #5 TOTAL	150	85,801	79.4	96.7	98.0	10,329	GAS	866,357	1,023,000	886,283.0	3,097,044	3.61	3.57
POLK #2 CC TOTAL	1,061	418,352	54.8	71.5	66.1	7,050	GAS	-	-	2,949,513.0	10,306,833	2.46	-
POLK STATION TOTAL	1,296	478,188	51.2	74.3	61.9	7,201	-	-	-	3,443,241.0	12,032,125	2.52	-

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	53,574	31.9	63.9	49.1	-		-	-	-	-	-	-
BAYSIDE CT1A	156	31,100	27.7	71.7	82.0	11,636	GAS	353,750	1,023,000	361,886.3	1,265,277	4.07	3.58
BAYSIDE CT1B	156	31,848	28.4	64.3	81.1	11,480	GAS	357,384	1,023,000	365,603.5	1,278,276	4.01	3.58
BAYSIDE CT1C	156	37,115	33.0	71.7	75.5	11,296	GAS	409,819	1,023,000	419,244.5	1,465,823	3.95	3.58
BAYSIDE UNIT 1 TOTAL	701	153,637	30.4	67.5	46.8	7,464	GAS	1,120,953	1,023,000	1,146,734.3	4,009,376	2.61	3.58
BAYSIDE ST 2	305	102,849	46.8	66.0	46.8	-		-	-	-	-	-	-
BAYSIDE CT2A	156	68,136	60.6	100.0	82.2	11,128	GAS	741,158	1,023,000	758,204.8	2,650,943	3.89	3.58
BAYSIDE CT2B	156	73,515	65.5	100.0	81.8	11,416	GAS	820,366	1,023,000	839,234.0	2,934,250	3.99	3.58
BAYSIDE CT2C	156	23,999	21.4	47.2	80.1	11,596	GAS	272,050	1,023,000	278,307.4	973,057	4.05	3.58
BAYSIDE CT2D	156	28,590	25.5	51.6	80.6	11,507	GAS	321,592	1,023,000	328,988.2	1,150,257	4.02	3.58
BAYSIDE UNIT 2 TOTAL	929	297,089	44.4	71.8	44.4	7,421	GAS	2,155,166	1,023,000	2,204,734.5	7,708,507	2.59	3.58
BAYSIDE UNIT 3 TOTAL	56	159	0.4	100.0	87.5	11,372	GAS	1,765	1,023,000	1,805.7	6,313	3.97	3.58
BAYSIDE UNIT 4 TOTAL	56	61	0.2	98.6	87.4	11,394	GAS	676	1,023,000	691.7	2,419	3.97	3.58
BAYSIDE UNIT 5 TOTAL	56	742	1.8	99.9	88.9	11,595	GAS	8,406	1,023,000	8,599.2	30,066	4.05	3.58
BAYSIDE UNIT 6 TOTAL	56	101	0.3	95.6	67.0	11,520	GAS	1,136	1,023,000	1,162.1	4,063	4.02	3.58
BAYSIDE STATION TOTAL	1,854	451,789	33.8	73.4	33.8	7,445	GAS	3,288,102	1,023,000	3,363,727.6	11,760,744	2.60	3.58
SYSTEM	5,078	1,368,581	37.4	70.4	41.6	8,171	-	-	-	11,182,825.8	38,788,561	2.83	-

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 October 2019 natural gas consumption adjustment to Big Bend CT4 of 153 MCFs and 156.7 mmbtu's.

**SYSTEM GENERATED FUEL COST
INVENTORY ANALYSIS
TAMPA ELECTRIC COMPANY
MONTH OF: November 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)	0	0	0	0.0%	1,436	1,120	316	28.2%	
21 UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%	127.54	127.48	0.06	0.0%	
22 AMOUNT (\$)	0	0	0	0.0%	183,150	142,781	40,369	28.3%	
23 ENDING INVENTORY:									
24 UNITS (BBL)	42,562	42,878	(316)	-0.7%	42,562	42,878	(316)	-0.7%	
25 UNIT COST (\$/BBL)	127.48	127.48	(0.00)	0.0%	127.48	127.48	(0.00)	0.0%	
26 AMOUNT (\$)	5,425,905	5,466,274	(40,369)	-0.7%	5,425,905	5,466,274	(40,369)	-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)	24,091	55,000	(30,909)	-56.2%	453,802	625,000	(171,198)	-27.4%	
32 UNIT COST (\$/TON)	91.14	69.81	21.32	30.5%	69.94	67.84	2.11	3.1%	
33 AMOUNT (\$)	2,195,566	3,839,810	(1,644,244)	-42.8%	31,741,073	42,399,083	(10,658,010)	-25.1%	
34 BURNED:									
35 UNITS (TONS)	83,362	69,060	14,302	20.7%	508,554	708,050	(199,496)	-28.2%	
36 UNIT COST (\$/TON)	76.09	68.66	7.43	10.8%	80.10	67.47	12.63	18.7%	
37 AMOUNT (\$)	6,342,724	4,741,470	1,601,254	33.8%	40,733,167	47,772,674	(7,039,507)	-14.7%	
38 ENDING INVENTORY:									
39 UNITS (TONS)	298,053	318,168	(20,115)	-6.3%	298,053	318,168	(20,115)	-6.3%	
40 UNIT COST (\$/TON)	71.90	73.44	(1.54)	-2.1%	71.90	73.44	(1.54)	-2.1%	
41 AMOUNT (\$)	21,430,026	23,367,171	(1,937,145)	-8.3%	21,430,026	23,367,171	(1,937,145)	-8.3%	
42									
43 DAYS SUPPLY:	106	113	(7)	-10.0%	-	-	-	-	
NATURAL GAS⁽³⁾									
44 PURCHASES:									
45 UNITS (MCF)	9,198,215	8,349,155	849,060	10.2%	127,677,408	111,883,861	15,793,547	14.1%	
46 UNIT COST (\$/MCF)	3.57	4.16	(0.59)	-14.2%	3.41	4.30	(0.90)	-20.9%	
47 AMOUNT (\$)	32,856,763	34,759,993	(1,903,230)	-5.5%	434,995,238	481,615,149	(46,619,911)	-9.7%	
48 BURNED:									
49 UNITS (MCF)	9,049,974	8,738,260	311,714	3.6%	127,566,673	111,877,770	15,688,903	14.0%	
50 UNIT COST (\$/MCF)	3.59	4.10	(0.52)	-12.6%	3.50	4.31	(0.81)	-18.9%	
51 AMOUNT (\$)	32,445,837	35,862,153	(3,416,316)	-9.5%	445,928,701	481,941,044	(36,012,343)	-7.5%	
52 ENDING INVENTORY:									
53 UNITS (MCF)	541,669	437,743	103,926	23.7%	541,669	437,743	103,926	23.7%	
54 UNIT COST (\$/MCF)	2.71	2.90	(0.18)	-6.3%	2.71	2.90	(0.18)	-6.3%	
55 AMOUNT (\$)	1,470,011	1,268,345	201,666	15.9%	1,470,011	1,268,345	201,666	15.9%	
56									
57 DAYS SUPPLY:	2	1	1	100.0%	-	-	-	-	
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: November 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 October 2019 natural gas consumption adjustment to Big Bend CT4 of 153 MCFs.

⁽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	95
NON-INV EXPENSE	369,475
BIG BEND #2 IGNITION	0
BIG BEND NG IGNITION	0
POLK NG IGNITION	0
AERIAL SURVEY ADJ	0
ADDITIVES	0
TOTAL	369,570

⁽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: November 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	640.0	0.0	640.0	2.541	2.668	16,260.00	17,075.00	815.00
VARIOUS	JURISD. MKT.BASE	700.0	0.0	700.0	3.420	3.763	23,943.06	26,340.00	2,396.94
TOTAL		1,340.0	0.0	1,340.0	3.000	3.240	40,203.06	43,415.00	3,211.94
ACTUAL:									
SEMINOLE ELEC. PRECO-1	JURISD. SCH. - D	4,155.0	0.0	4,155.0	1.886	2.074	78,354.28	86,189.71	3,957.36
EXGEN	SCH. - MA	50.0	0.0	50.0	1.848	5.500	924.00	2,750.13	1,711.63
SOUTHERN COMPANY	SCH. - MA	275.0	0.0	275.0	1.826	4.999	5,022.00	13,747.43	7,811.93
MACQUARIE ENERGY LLC	SCH. - MA	4,794.0	0.0	4,794.0	1.966	2.823	94,273.50	135,350.16	34,906.68
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		9,274.0	0.0	9,274.0	1.926	2.567	178,573.78	238,037.43	48,387.60
NO ADJUSTMENTS TO PRIOR MONTHS									
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		4,155.0	0.0	4,155.0	1.886	2.074	78,354.28	86,189.71	3,957.36
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.		5,119.0	0.0	5,119.0	1.958	2.966	100,219.50	151,847.72	44,430.24
SUB-TOTAL OATT POWER SALES		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TOTAL		9,274.0	0.0	9,274.0	1.926	2.567	178,573.78	238,037.43	48,387.60
CURRENT MONTH:									
DIFFERENCE		7,934.0	0.0	7,934.0	(1.074)	(0.673)	138,370.72	194,622.43	45,175.66
DIFFERENCE %		592.1%	0.0%	592.1%	-35.8%	-20.8%	344.2%	448.3%	1406.5%
PERIOD TO DATE:									
ACTUAL		149,813.2	1.2	149,812.0	2.210	3.359	3,311,372.68	5,032,189.68	1,523,640.27
ESTIMATED		20,530.0	0.0	20,530.0	3.242	3.504	665,544.43	719,411.00	53,866.57
DIFFERENCE		129,283.2	1.2	129,282.0	(1.032)	(0.145)	2,645,828.25	4,312,778.68	1,469,773.70
DIFFERENCE %		629.7%	0.0%	629.7%	-31.8%	-4.1%	397.5%	599.5%	2728.5%

**PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	995.0	0.0	0.0	995.0	2.543	2.543	25,297.88
SUB-TOTAL CURRENT MONTH		995.0	0.0	0.0	995.0	2.543	2.543	25,297.88
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		995.0	0.0	0.0	995.0	2.543	2.543	25,297.88
TOTAL		995.0	0.0	0.0	995.0	2.543	2.543	25,297.88
CURRENT MONTH:								
DIFFERENCE		995.0	0.0	0.0	995.0	2.543	2.543	25,297.88
DIFFERENCE %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PERIOD TO DATE:								
ACTUAL		10,130.0	0.0	0.0	10,130.0	3.401	3.401	344,557.10
ESTIMATED		0.0	0.0	0.0	0.0	0.000	0.000	0.00
DIFFERENCE		10,130.0	0.0	0.0	10,130.0	3.401	3.401	344,557.10
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: November 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.	7,370.0	0.0	0.0	7,370.0	3.054	3.054	225,080.00
TOTAL		7,370.0	0.0	0.0	7,370.0	3.054	3.054	225,080.00
ACTUAL:								
AS AVAILABLE								
CARGILL RIDGEWOOD	COGEN.	239.0	0.0	0.0	239.0	2.055	2.055	4,911.91
CARGILL MILLPOINT	COGEN.	4,844.0	0.0	0.0	4,844.0	2.071	2.071	100,313.95
IMC-AGRICO-NEW WALES	COGEN.	161.0	0.0	0.0	161.0	1.994	1.994	3,210.09
IMC-AGRICO-S. PIERCE	COGEN.	15,391.0	0.0	0.0	15,391.0	2.090	2.090	321,671.97
SUB-TOTAL CURRENT MONTH		20,635.0	0.0	0.0	20,635.0	2.084	2.084	430,107.92
NET METERING		6.7	0.0	0.0	6.7	2.530	2.530	170.32
NO ADJUSTMENTS TO PRIOR MONTHS								
TOTAL INCL NET METERING		20,641.7	0.0	0.0	20,641.7	2.085	2.085	430,278.24
CURRENT MONTH:								
DIFFERENCE		13,271.7	0.0	0.0	13,271.7	(0.969)	(0.969)	205,198.24
DIFFERENCE %		180.1%	0.0%	0.0%	180.1%	-31.7%	-31.7%	91.2%
PERIOD TO DATE:								
ACTUAL		210,395.8	0.0	0.0	210,395.8	2.111	2.111	4,440,749.92
ESTIMATED		82,530.0	0.0	0.0	82,530.0	2.965	2.965	2,446,980.00
DIFFERENCE		127,865.8	0.0	0.0	127,865.8	(0.854)	(0.854)	1,993,769.92
DIFFERENCE %		154.9%	0.0%	0.0%	154.9%	-28.8%	-28.8%	81.5%

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	24,780.0	0.0	24,780.0	3.325	823,900.00	5.083	1,259,540.00	435,640.00
TOTAL		24,780.0	0.0	24,780.0	3.325	823,900.00	5.083	1,259,540.00	435,640.00
ACTUAL:									
DUKE ENERGY FLORIDA	SCH. - J	2,477.0	0.0	2,477.0	12.782	316,610.00	12.782	316,610.00	0.00
FLA. POWER & LIGHT	SCH. - J	23,220.0	0.0	23,220.0	4.681	1,086,905.00	4.735	1,099,509.00	12,604.00
ORLANDO UTIL. COMM.	SCH. - J	5,970.0	0.0	5,970.0	4.197	250,590.00	4.258	254,231.40	3,641.40
THE ENERGY AUTHORITY	SCH. - J	3,122.0	0.0	3,122.0	5.927	185,027.00	5.957	185,969.42	942.42
FMPA	SCH. - J	125.0	0.0	125.0	7.500	9,375.00	7.500	9,375.00	0.00
CITY OF TALLAHASSEE	SCH. - J	90.0	0.0	90.0	0.500	450.00	2.516	2,264.40	1,814.40
EXGEN	SCH. - J	7,351.0	0.0	7,351.0	3.007	221,050.00	3.200	235,212.59	14,162.59
SOUTHERN COMPANY	SCH. - J	900.0	0.0	900.0	4.800	43,200.00	4.800	43,200.00	0.00
RAINBOW ENERGY MARKETERS	SCH. - J	4,587.0	0.0	4,587.0	5.848	268,260.00	5.848	268,260.00	0.00
SUB-TOTAL CURRENT MONTH		47,842.0	0.0	47,842.0	4.978	2,381,467.00	5.047	2,414,631.81	33,164.81
ADJUSTMENTS TO PRIOR MONTHS:									
DUKE ENERGY FLORIDA	Oct 2019 SCH. - J	(159,885.0)	0.0	(159,885.0)	3.457	(5,527,710.33)	3.491	(5,581,573.53)	(53,863.20)
DUKE ENERGY FLORIDA	Oct 2019 SCH. - J	159,885.0	0.0	159,885.0	3.475	5,555,642.55	3.516	5,622,144.55	66,502.00
FMPA	Oct 2019 SCH. - J	(29,760.0)	0.0	(29,760.0)	2.789	(829,906.84)	2.572	(765,327.64)	64,579.20
FMPA	Oct 2019 SCH. - J	29,760.0	0.0	29,760.0	2.798	832,808.45	2.591	771,130.86	(61,677.59)
SUB-TOTAL ADJUSTMENTS		0.0	0.0	0.0	0.000	30,833.83	0.000	46,374.24	15,540.41
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		47,842.0	0.0	47,842.0	5.042	2,412,300.83	5.144	2,461,006.05	48,705.22
TOTAL		47,842.0	0.0	47,842.0	5.042	2,412,300.83	5.144	2,461,006.05	48,705.22
CURRENT MONTH:									
DIFFERENCE		23,062.0	0.0	23,062.0	1.717	1,588,400.83	0.061	1,201,466.05	(386,934.78)
DIFFERENCE %		93.1%	0.0%	93.1%	51.7%	192.8%	1.2%	95.4%	-88.8%
PERIOD TO DATE:									
ACTUAL		1,230,335.0	143.8	1,230,191.2	3.526	43,370,564.60	4.348	53,487,023.92	10,116,459.32
ESTIMATED		868,880.0	0.0	868,880.0	3.669	31,878,210.00	4.258	36,993,848.00	5,115,638.00
DIFFERENCE		361,455.0	143.8	361,311.2	(0.143)	11,492,354.60	0.090	16,493,175.92	5,000,821.32
DIFFERENCE %		41.6%	0.0%	41.6%	-3.9%	36.1%	2.1%	44.6%	97.8%

CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
MONTH OF: November 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	
SEMINOLE ELECTRIC	8.1	10.8	9.1	9.3	11.5	18.4	8.4	6.3	7.3	9.3	10.1		
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)	\$ (375,827)	\$ (66,585)	\$ -	\$ (907,372)
TOTAL CAPACITY	\$ (55,697)	\$ (79,999)	\$ (5,304)	\$ (34,891)	\$ (105,743)	\$ (33,906)	\$ (33,514)	\$ (72,756)	\$ (43,150)	\$ (375,827)	\$ (66,585)	\$ -	\$ (907,372)

**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