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June 3, 2020

VIA: ELECTRONIC FILING

Mr. Adam J. Tietzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating
Performance Incentive Factor; FPSC Docket No. 20200001-EI

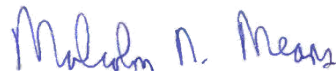
Dear Mr. Tietzman:

Attached for filing in the above docket is the following:

1. Tampa Electric Company's Notice of Witness Substitution.
2. Prepared Direct Testimony of M. Ashley Sizemore.

Thank you for your assistance in connection with this matter.

Sincerely,



Malcolm N. Means

MNM/bmp
Attachments

cc: All parties of record (w/attachments)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power)
Cost Recovery Clause and Generating)
Performance Incentive Factor)

DOCKET NO. 20200001-EI

FILED: June 3, 2020


**TAMPA ELECTRIC COMPANY'S
NOTICE OF WITNESS SUBSTITUTION**

TO: ALL PARTIES OF RECORD

Please take notice that M. Ashley Sizemore, Manager, Rates for Tampa Electric Company, will serve as Tampa Electric's witness in place of Tampa Electric witness Penelope A. Rusk, who previously submitted testimony in this docket on March 2, 2020. *See* Doc. No. 01218-2020. Ms. Sizemore's Direct Testimony, which is attached, will substitute for Ms. Rusk's. This Direct Testimony is identical to Ms. Rusk's other than the responses to those questions that ask about the witness' identity and qualifications.

DATED this 3rd day of June 2020.

Respectfully submitted,



JAMES D. BEASLEY
J. JEFFRY WAHLEN
MALCOLM N. MEANS
Ausley McMullen
Post Office Box 391
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ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Notice of Witness Substitution, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 3rd day of June 2020 to the following:

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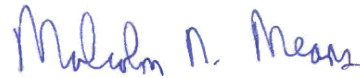
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**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

**DOCKET NO. 20200001-EI
FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY**

**2019 FINAL TRUE-UP
TESTIMONY AND EXHIBITS**

M. ASHLEY SIZEMORE

FILED: JUNE 3, 2020

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **M. ASHLEY SIZEMORE**

5
6 **Q.** Please state your name, address, occupation, and
7 employer.

8
9 **A.** My name is M. Ashley Sizemore. My business address is 702
10 N. Franklin Street, Tampa, Florida 33602. I am employed
11 by Tampa Electric Company ("Tampa Electric" or "Company")
12 in the position of Manager, Rates in the Regulatory
13 Affairs department.

14
15 **Q.** Please provide a brief outline of your educational
16 background and business experience.

17
18 **A.** I received a Bachelor of Arts degree in Political Science
19 and a Master of Business Administration from the
20 University of South Florida in 2005 and 2008,
21 respectively. I joined Tampa Electric in 2010 as a
22 Customer Service Professional. In 2011, I joined the
23 Regulatory Affairs Department as a Rate Analyst. I spent
24 six years in the Regulatory Affairs Department working on
25 environmental and fuel and capacity cost recovery

1 clauses. During the last three years as a Program Manager
2 in Customer Experience, I managed billing and payment
3 customer solutions, products and services. I returned to
4 the Regulatory Affairs Department in 2020 as Manager,
5 Rates. My duties entail managing cost recovery for fuel
6 and purchased power, interchange sales, capacity
7 payments, and approved environmental projects. I have ten
8 years of electric utility experience in the areas of
9 customer experience and project management as well as the
10 management of fuel clause and purchased power, capacity,
11 and environmental cost recovery clauses.

12
13 **Q.** Other than describing your background and qualifications,
14 is the remainder of your testimony the same as that set
15 forth in the testimony of Ms. Rusk filed March 2, 2020.

16
17 **A.** Yes, it is.

18
19 **Q.** What is the purpose of your testimony?

20
21 **A.** The purpose of my testimony is to present, for the
22 Commission's review and approval, the final true-up
23 amounts for the period January 2019 through December 2019
24 for the Fuel and Purchased Power Cost Recovery Clause
25 ("Fuel Clause") and the Capacity Cost Recovery Clause

1 ("Capacity Clause"), as well as the Optimization
2 Mechanism gain sharing allocation for the period.

3
4 **Q.** What is the source of the data which you will present by
5 way of testimony or exhibit in this process?

6
7 **A.** Unless otherwise indicated, the actual data is taken from
8 the books and records of Tampa Electric. The books and
9 records are kept in the regular course of business in
10 accordance with generally accepted accounting principles
11 and practices and provisions of the Uniform System of
12 Accounts as prescribed by the Florida Public Service
13 Commission ("Commission").

14
15 **Q.** Have you prepared an exhibit in this proceeding?

16
17 **A.** Yes. Exhibit No. MAS-1, consisting of five documents which
18 are described later in my testimony, was prepared under
19 my direction and supervision.

20
21 **Capacity Cost Recovery Clause**

22 **Q.** What is the final true-up amount for the Capacity Clause
23 for the period January 2019 through December 2019?

24
25 **A.** The final true-up amount for the Capacity Clause for the

1 period January 2019 through December 2019 is an over-
2 recovery of \$111,228.

3

4 **Q.** Please describe Document No. 1 of your exhibit.

5

6 **A.** Document No. 1, page 1 of 4, entitled "Tampa Electric
7 Company Capacity Cost Recovery Clause Calculation of
8 Final True-up Variances for the Period January 2019
9 Through December 2019", provides the calculation for the
10 final over-recovery of \$111,228. The actual capacity cost
11 under-recovery, including interest, was \$2,067,989 for
12 the period January 2019 through December 2019 as
13 identified in Document No. 1, pages 1 and 2 of 4. This
14 amount, less the \$2,179,217 actual/estimated under-
15 recovery approved in Order No. PSC-2019-0484-FOF-EI
16 issued November 18, 2019 in Docket No. 20190001-EI,
17 results in a final over-recovery of \$111,228 for the
18 period, as identified in Document No. 1, page 4 of 4. This
19 amount will be applied to the calculation of the capacity
20 cost recovery factors for the period January 2021 through
21 December 2021.

22

23 **Q.** What is the estimated effect of this \$111,228 over-
24 recovery for the January 2019 through December 2019 period
25 on residential bills during the January 2021 through

1 December 2021 period?

2

3 **A.** The \$111,228 over-recovery will decrease a 1,000 kWh
4 residential bill by approximately \$0.01.

5

6 **Fuel and Purchased Power Cost Recovery Clause**

7 **Q.** What is the final true-up amount for the Fuel Clause for
8 the period January 2019 through December 2019?

9

10 **A.** The final Fuel Clause true-up for the period January 2019
11 through December 2019 is an over-recovery of \$35,821,098.
12 The actual fuel cost over-recovery, including interest,
13 was \$5,079,072 for the period January 2019 through
14 December 2019. This \$5,079,072 amount, plus the
15 \$30,742,026 projected under-recovery amount approved in
16 Order No. PSC-2019-0484-FOF-EI, issued November 18, 2019
17 in Docket No. 20190001-EI, results in a net over-recovery
18 amount for the period of \$35,821,098.

19

20 **Q.** What is the estimated effect of the \$35,821,098 over-
21 recovery for the January 2019 through December 2019 period
22 on residential bills during the January 2021 through
23 December 2021 period?

24

25 **A.** The \$35,821,098 over-recovery will decrease a 1,000 kWh

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residential bill by approximately \$1.84.

Q. Please describe Document No. 2 of your exhibit.

A. Document No. 2 is entitled "Tampa Electric Company Final Fuel and Purchased Power Over/(Under) Recovery for the Period January 2019 Through December 2019." It shows the calculation of the final fuel over-recovery of \$35,821,098.

Line 1 shows the total company fuel costs of \$574,069,880 for the period January 2019 through December 2019. The jurisdictional amount of total fuel costs is \$574,069,880, as shown on line 2. This amount is compared to the jurisdictional fuel revenues applicable to the period on line 3 to obtain the actual over-recovered fuel costs for the period, shown on line 4. The resulting \$9,140,612 over-recovered fuel costs for the period, adjustments, interest, true-up collected, and the prior period true-up shown on lines 5 through 8 respectively, constitute the actual over-recovery amount of \$5,079,072 shown on line 9. The \$5,079,072 actual over-recovery amount plus the \$30,742,026 projected under-recovery amount shown on line 10, results in a final over-recovery amount of \$35,821,098 for the period January 2019 through

1 December 2019, as shown on line 11.

2

3 **Q.** Please describe Document No. 3 of your exhibit.

4

5 **A.** Document No. 3 is entitled "Tampa Electric Company
6 Calculation of True-up Amount Actual vs. Original
7 Estimates for the Period January 2019 Through December
8 2019." It shows the calculation of the actual over-
9 recovery compared to the estimated under-recovery for the
10 same period.

11

12 **Q.** What was the total fuel and net power transaction cost
13 variance for the period January 2019 through December
14 2019?

15

16 **A.** As shown on line A7 of Document No. 3, the fuel and net
17 power transaction cost is \$39,316,715 less than the amount
18 originally estimated.

19

20 **Q.** What was the variance in jurisdictional fuel revenues for
21 the period January 2019 through December 2019?

22

23 **A.** As shown on line C3 of Document No. 3, the company
24 collected \$9,052,449, or 1.6 percent greater
25 jurisdictional fuel revenues than originally estimated.

1 Q. Please describe Document No. 4 of your exhibit.

2

3 A. Document No. 4 contains Commission Schedules A1 and A2
4 for the month of December and the year-end period-to-date
5 summary of transactions for each of Commission Schedules
6 A6, A7, A8, A9, as well as capacity information on
7 Schedule A12.

8

9 Q. Please describe Document No. 5 of your exhibit.

10

11 A. Document No. 5 provides the capital costs and fuel savings
12 for the Big Bend Units 1-4 ignition conversion projects
13 for the period January 2019 through December 2019. This
14 document also contains the capital structure components
15 and cost rates relied upon to calculate the revenue
16 requirements rate of return on capital projects recovered
17 through the fuel clause.

18

19 The Big Bend Units 1-4 ignition conversion project capital
20 costs, including depreciation and return, for the period
21 are less than the fuel savings resulting from the project,
22 and provide a net benefit to customers, as shown on
23 Document No. 5, page 1, line 33. Therefore, the Big Bend
24 Units 1-4 ignition conversion project capital costs
25 should be recovered through the fuel clause in accordance

1 with FPSC Order No. PSC-2014-0309-PAA-EI, issued in
2 Docket No. 20140032-EI on June 12, 2014.

3
4 **Q.** Have you incorporated the Florida Corporate Income Tax
5 Reduction, effective January 1, 2019, into the company's
6 calculated revenue requirement?

7
8 **A.** Yes. The change in the corporate income tax rate, announced
9 in September 2019 and retroactive to January 1, 2019,
10 resulted in an adjustment to the capital cost recovery for
11 the Big Bend Units 1-4 ignition conversion project.
12 Document No. 5 of my exhibit shows the adjustment on Page
13 1, Line 26, and the original and post-state tax reform
14 revenue requirement rate of return calculations are shown
15 on Pages 2 through 5.

16
17 **Optimization Mechanism**

18 **Q.** Was Tampa Electric's sharing of Optimization Mechanism
19 gains allocated in accordance with FPSC Order No.
20 PSC-2017-0456-S-EI, issued in Docket Nos. 20170210-EI and
21 20160160-EI, on November 27, 2017?

22
23 **A.** Yes. As shown in the testimony and exhibit of Tampa
24 Electric witness John C. Heisey filed contemporaneously
25 in this docket, the sharing of Optimization Mechanism

1 gains was allocated in accordance with FPSC Order No.
2 PSC-2017-0456-S-EI. Total gains were \$6,468,033. Under
3 the sharing mechanism, Tampa Electric customers receive
4 \$5,287,213, and the company earned an incentive of
5 \$1,180,820 as a result of the company's Optimization
6 Mechanism activities during 2019. Customers received the
7 gains from these transactions during 2019, and Tampa
8 Electric requests Commission approval to collect the
9 company's \$1,180,820 incentive in its 2021 fuel factors.

10
11 **Q.** Does this conclude your testimony?

12
13 **A.** Yes.
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TAMPA ELECTRIC COMPANY

FUEL AND PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

FUEL AND PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY
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3	Actual Fuel and Purchased Power True-up vs. Original Estimates January 2019 - December 2019	20
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EXHIBIT TO THE TESTIMONY OF
M. ASHLEY SIZEMORE

DOCUMENT NO. 1

FINAL CAPACITY OVER/(UNDER)RECOVERY FOR
JANUARY 2019 - DECEMBER 2019

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

1. Actual End-of-Period True-up: Over/(Under) Recovery	(\$2,067,989)
2. Less: Actual/Estimated Over/(Under) Recovery Per Order No. PSC-2019-0484-FOF-EI For the January 2019 Through December 2019 Period	<u>(2,179,217)</u>
3. Final True-up: Over/(Under) Recovery to Be Carried Forward to the January 2021 Through December 2021 Period	<u>\$111,228</u>

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Actual Jul-19	Actual Aug-19	Actual Sep-19	Actual Oct-19	Actual Nov-19	Actual Dec-19	Total
1 UNIT POWER CAPACITY CHARGES	20,134	6,889	69,936	43,759	24,484	84,447	43,140	22,065	79,173	53,246	34,456	4,679	486,408
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 SCHEDULE J.D. & EMERG CAPACITY CHARGES	0	0	0	0	0	0	0	0	0	0	0	0	0
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0	0	0	0	0	0	0	0	0	0
5 (CAPACITY REVENUES)	(75,831)	(86,888)	(75,240)	(78,650)	(130,227)	(118,353)	(76,654)	(84,821)	(122,323)	(429,073)	(101,041)	(89,847)	(1,488,948)
6 TOTAL CAPACITY DOLLARS	(55,697)	(79,999)	(5,304)	(34,891)	(105,743)	(33,906)	(33,514)	(72,756)	(43,150)	(375,827)	(66,585)	(95,168)	(1,002,540)
7 JURISDICTIONAL PERCENTAGE	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
8 JURISDICTIONAL CAPACITY DOLLARS	(55,697)	(79,999)	(5,304)	(34,891)	(105,743)	(33,906)	(33,514)	(72,756)	(43,150)	(375,827)	(66,585)	(95,168)	(1,002,540)
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	1,240,565	1,244,911	1,212,875	(85,626)	(102,382)	(164,985)	(163,975)	(152,332)	(178,316)	(154,165)	(139,644)	(117,798)	2,439,128
10 PRIOR PERIOD TRUE-UP PROVISION	(232,082)	(232,082)	(232,082)	(128,947)	(128,947)	(128,947)	(128,947)	(128,947)	(128,947)	(128,947)	(128,947)	(128,951)	(1,856,773)
11 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	1,008,483	1,012,829	980,793	(214,573)	(231,329)	(293,932)	(292,922)	(281,279)	(307,263)	(283,112)	(268,591)	(246,749)	582,355
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	1,064,180	1,092,828	986,097	(179,682)	(125,586)	(260,026)	(259,408)	(208,523)	(264,113)	92,715	(202,006)	(151,581)	1,584,895
13 INTEREST PROVISION FOR PERIOD	(9,670)	(7,055)	(4,581)	(3,416)	(3,404)	(3,451)	(3,486)	(3,486)	(3,552)	(3,132)	(2,724)	(2,834)	(50,771)
14 OTHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TRUE-UP AND INT. PROVISION BEGINNING OF PERIOD - OVER/(UNDER) RECOVERY	(5,458,886)	(4,172,294)	(2,854,439)	(1,640,841)	(1,694,992)	(1,695,035)	(1,829,565)	(1,963,512)	(2,046,554)	(2,185,272)	(1,966,742)	(2,042,525)	(5,458,886)
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	232,082	232,082	232,082	128,947	128,947	128,947	128,947	128,947	128,947	128,947	128,947	128,951	1,856,773
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	(4,172,294)	(2,854,439)	(1,640,841)	(1,694,992)	(1,695,035)	(1,829,565)	(1,963,512)	(2,046,554)	(2,185,272)	(1,966,742)	(2,042,525)	(2,067,989)	(2,067,989)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Actual Jul-19	Actual Aug-19	Actual Sep-19	Actual Oct-19	Actual Nov-19	Actual Dec-19	Total
1 BEGINNING TRUE-UP AMOUNT	(5,458,886)	(4,172,294)	(2,854,439)	(1,640,841)	(1,694,992)	(1,695,035)	(1,829,565)	(1,963,512)	(2,046,554)	(2,185,272)	(1,966,742)	(2,042,525)	(5,458,886)
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST (LINE 1 + LINE 2)	(4,162,624)	(2,847,384)	(1,636,260)	(1,691,576)	(1,691,631)	(1,826,114)	(1,960,026)	(2,043,088)	(2,181,720)	(1,963,610)	(2,039,801)	(2,065,155)	(2,017,218)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT.	(9,621,510)	(7,019,678)	(4,490,699)	(3,332,417)	(3,386,623)	(3,521,149)	(3,789,591)	(4,006,600)	(4,228,274)	(4,148,882)	(4,006,543)	(4,107,680)	(7,476,104)
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(4,810,755)	(3,509,839)	(2,245,350)	(1,666,209)	(1,693,312)	(1,760,575)	(1,894,796)	(2,003,300)	(2,114,137)	(2,074,441)	(2,003,272)	(2,053,840)	(3,738,052)
5 INTEREST RATE % - 1ST DAY OF MONTH	2.420	2.410	2.410	2.480	2.430	2.390	2.320	2.100	2.050	1.970	1.660	1.600	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	2.410	2.410	2.480	2.430	2.390	2.320	2.100	2.050	1.970	1.660	1.600	1.710	NA
7 TOTAL (LINE 5 + LINE 6)	4.830	4.820	4.890	4.910	4.820	4.710	4.420	4.150	4.020	3.630	3.260	3.310	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	2.415	2.410	2.445	2.455	2.410	2.355	2.210	2.075	2.010	1.815	1.630	1.655	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.201	0.201	0.204	0.205	0.201	0.196	0.184	0.173	0.168	0.151	0.136	0.138	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	(9,670)	(7,055)	(4,581)	(3,416)	(3,404)	(3,451)	(3,486)	(3,466)	(3,552)	(3,132)	(2,724)	(2,834)	(50,771)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP VARIANCES
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

	(1)	(2)	(3)	(4)
	ACTUAL	ACTUAL/ ESTIMATED	VARIANCE (1) - (2)	% CHANGE (3)/(2)
1 UNIT POWER CAPACITY CHARGES	\$486,408	\$249,648	\$236,760	94.84%
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0.00%
3 SCHEDULE J & D CAPACITY CHARGES	0	0	0	0.00%
4 INCREMENTAL SECURITY O&M COSTS	0	0	0	0.00%
5 (CAPACITY REVENUES)	(1,488,948)	(1,130,376)	(358,572)	31.72%
6 TOTAL CAPACITY DOLLARS	(\$1,002,540)	(\$880,728)	(\$121,812)	13.83%
7 JURISDICTIONAL PERCENTAGE	100.00%	100.00%	0	0.00%
8 JURISDICTIONAL CAPACITY DOLLARS	(\$1,002,540)	(880,728)	(\$121,812)	13.83%
9 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	2,439,128	2,456,085	(16,957)	-0.69%
10 PRIOR PERIOD TRUE-UP PROVISION	(1,856,773)	(1,856,773)	0	0.00%
11 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	\$582,355	\$599,312	(\$16,957)	-2.83%
12 TRUE-UP PROVISION FOR PERIOD OVER/(UNDER) RECOVERY (Line 11 - Line 8)	\$1,584,895	\$1,480,040	\$104,855	7.08%
13 INTEREST PROVISION FOR PERIOD	(50,771)	(57,144)	6,373	-11.15%
14 OTHER ADJUSTMENT	0	0	0	0.00%
15 TRUE-UP AND INT. PROVISION BEGINNING OF PERIOD - OVER/(UNDER) RECOVERY	(5,458,886)	(5,458,886)	0	0.00%
16 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS PERIOD	1,856,773	1,856,773	0	0.00%
17 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 12 - 16)	(\$2,067,989)	(\$2,179,217)	\$111,228	-5.10%

EXHIBIT TO THE TESTIMONY OF
M. ASHLEY SIZEMORE

DOCUMENT NO. 2

FINAL FUEL AND PURCHASED POWER OVER/(UNDER)RECOVERY
FOR
JANUARY 2019 - DECEMBER 2019

TAMPA ELECTRIC COMPANY
FINAL FUEL AND PURCHASED POWER OVER/(UNDER) RECOVERY
FOR THE PERIOD
JANUARY 2019 THROUGH DECEMBER 2019

1 TOTAL FUEL COSTS FOR THE PERIOD	\$ 574,069,880
2 JURISDICTIONAL FUEL COSTS (INCL. ALL ADJUSTMENTS)	574,069,880
3 JURISDICTIONAL FUEL REVENUES APPLICABLE TO THE PERIOD	<u>583,210,492</u>
4 ACTUAL OVER/(UNDER) RECOVERED FUEL COSTS FOR THE PERIOD (LINE 3 - LINE 2)	\$ 9,140,612
5 ADJUSTMENTS	0
6 INTEREST	(882,221)
7 TRUE-UP COLLECTED	33,791,590
8 PRIOR PERIOD TRUE-UP (ACTUAL ENDING 12/18)	<u>(36,970,912)</u>
9 ACTUAL OVER/(UNDER) RECOVERY FOR THE PERIOD (LINE 4 + LINE 5 + LINE 6 + LINE 7 + LINE 8)	\$ 5,079,072
10 PROJECTED OVER/(UNDER) RECOVERY PER PROJECTION FILED 9/3/19 (SCHEDULE E1-A LINE 6)	<u>(30,742,026)</u>
11 FINAL FUEL OVER/(UNDER) RECOVERY (LINE 9 - LINE 10)	<u>\$ 35,821,098</u>

EXHIBIT TO THE TESTIMONY OF
M. ASHLEY SIZEMORE

DOCUMENT NO. 3

ACTUAL FUEL AND PURCHASED POWER TRUE-UP

VS.

ORIGINAL ESTIMATES

JANUARY 2019 - DECEMBER 2019

TAMPA ELECTRIC COMPANY
 CALCULATION OF TRUE-UP AMOUNT
 ACTUAL vs. ORIGINAL ESTIMATES
 FOR THE PERIOD
 JANUARY 2019 THROUGH DECEMBER 2019

	ACTUAL	per Mid-Course ESTIMATED	VARIANCE AMOUNT	%
A 1. FUEL COST OF SYSTEM NET GENERATION	\$525,783,664	\$574,179,130	(\$48,395,466)	(8.4)
2. FUEL COST OF POWER SOLD	3,427,702	724,525	2,703,177	373.1
2a. GAINS FROM SALES	1,539,956	58,965	1,480,991	2,511.6
3. FUEL COST OF PURCHASED POWER	347,608	0	347,608	0.0
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0
3b. PAYMENT TO QUALIFIED FACILITIES	4,685,865	2,641,870	2,043,995	77.4
4. ENERGY COST OF ECONOMY PURCHASES	43,757,439	32,887,040	10,870,399	33.1
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	4,462,962	4,462,045	917	0.0
6b. ADJ.	0	0	0	0.0
6c. ADJ.	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. (SUM OF LINES A1 THRU 6c)	\$574,069,880	\$613,386,595	(\$39,316,715)	(6.4)
C 1. JURISDICTIONAL FUEL REVENUE	\$614,741,063	\$605,688,614	\$9,052,449	1.5
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0
2a. TRUE-UP PROVISION	(33,791,590)	(33,791,590)	0	0.0
2b. INCENTIVE PROVISION	2,261,019	2,261,019	0	0.0
2c. ADJUSTMENT	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD (Sum of Lines C1 through C2c)	\$583,210,492	\$574,158,043	\$9,052,449	1.6
6d. JURISD. TOTAL FUEL & NET PWR. TRANS.	574,069,880	613,386,595	(39,316,715)	(6.4)
7. TRUE-UP PROV.- THIS PER. (LINE C3-C6d)	\$9,140,612	(\$39,228,552)	\$48,369,164	(123.3)
7a. ADJUSTMENTS	0	0	0	0.0
8. INTEREST PROVISION - THIS PERIOD	(882,221)	(653,962)	(228,259)	34.9
TOTAL TRUE-UP AMOUNT FOR PERIOD (LINE 7 through 8)	\$8,258,391	(\$39,882,514)	\$48,140,905	(120.7)
9. TRUE-UP & INT. PROV. BEG. OF PERIOD (Beginning January 2019)	(36,970,912)	7,015,485	(43,986,397)	(627.0)
10. TRUE-UP COLLECTED (REFUNDED)	33,791,590	33,791,590	0	0.0
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C8 through C10)	\$5,079,072	\$924,561	\$4,154,511	449.3

EXHIBIT TO THE TESTIMONY OF
M. ASHLEY SIZEMORE

DOCUMENT NO. 4

FUEL AND PURCHASED POWER COST RECOVERY
YTD DECEMBER 2019

SCHEDULES A1 AND A2

AND

SCHEDULES A6 THROUGH A9

AND

SCHEDULE A12

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULES A1 AND A2

DECEMBER 2019

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

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	38,838,646	44,322,631	(5,383,985)	-12.1%	1,441,903	1,528,930	(86,927)	-5.7%	2,70050	2,89912	(0,19862)	-6.9%
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	360,100	359,827	273	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)	39,298,746	44,682,458	(5,383,712)	-12.0%	1,441,903	1,528,930	(86,927)	-5.7%	2,72548	2,92266	(0,19718)	-6.7%
6. Fuel Cost of Purchased Power - Firm (A7)	3,051	0	3,051	0.0%	140	0	140	0.0%	2,17929	0.00000	2,17929	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A8)	386,875	1,008,830	(621,955)	-61.7%	4,653	25,490	(20,837)	-81.7%	8,31453	3,95775	4,35678	110.1%
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)	245,117	194,890	50,227	25.8%	11,349	7,590	3,759	49.5%	2,15981	2,56772	(0,40791)	-15.9%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	635,043	1,203,720	(568,677)	-47.2%	16,142	33,080	(16,938)	-51.2%	3,93410	3,63881	0,29529	8.1%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)												
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	70,402	16,130	54,272	336.5%	3,248	590	2,658	450.5%	2,16755	2,73390	(0,56635)	-20.7%
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)	45,926	42,850	3,076	7.2%	2,141	1,200	941	78.4%	2,14507	3,57083	(1,42576)	-39.9%
18. Gains on Sales	16,319	5,099	11,220	220.0%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18)	132,647	64,079	68,568	107.0%	5,389	1,790	3,599	201.1%	2,46144	3,57983	(1,11839)	-31.2%
20. Net Inadvertent Interchange												
21. Wheeling Rec'd. less Wheeling Deliv'd.												
22. Interchange and Wheeling Losses												
23. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 19 + 20 + 21 - 22)	39,801,142	45,822,099	(6,020,957)	-13.1%	1,452,871	1,560,082	(107,211)	-6.9%	2,73948	2,93716	(0,19768)	-6.7%
24. Net Unbilled	(396,157) (e)	1,497,540 (e)	(1,893,697)	-126.5%	(14,461)	50,986	(65,447)	-128.4%	2,73949	2,93716	(0,19767)	-6.7%
25. Company Use	86,075 (e)	91,052 (e)	(4,977)	-5.5%	3,142	3,100	42	1.4%	2,73950	2,93716	(0,19766)	-6.7%
26. T & D Losses	2,352,119 (e)	1,601,627 (e)	750,492	46.9%	85,860	54,530	31,330	57.5%	2,73948	2,93716	(0,19768)	-6.7%
27. System KWH Sales	39,801,142	45,822,099	(6,020,957)	-13.1%	1,376,330	1,451,466	(73,136)	-5.0%	2,88764	3,15695	(0,26932)	-8.5%
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	39,801,142	45,822,099	(6,020,957)	-13.1%	1,376,330	1,451,466	(73,136)	-5.0%	2,88764	3,15695	(0,26932)	-8.5%
30. Jurisdictional Loss Multiplier												
31. Jurisdictional KWH Sales Adjusted for Line Losses	39,801,142	45,822,099	(6,020,957)	-13.1%	1,376,330	1,451,466	(73,136)	-5.0%	1,00000	1,00000	0.00000	0.0%
32. Adjustment-BB Unit 2 Outage Replacement Power Cost T-Up	0	0	0	0.0%	1,376,330	1,451,466	(73,136)	-5.0%	0.00000	0.00000	0.00000	0.0%
33. True-up *	3,949,494	3,949,494	0	0.0%	1,376,330	1,451,466	(73,136)	-5.0%	0.28654	0.27210	0.01444	5.3%
34. Total Jurisdictional Fuel Cost (Excl. GPIF)	43,750,636	49,771,593	(6,020,957)	-12.1%	1,376,330	1,451,466	(73,136)	-5.0%	3,17418	3,42906	(0,25488)	-7.4%
35. Revenue Tax Factor												
36. Fuel Cost Adjusted for Taxes (Excl. GPIF)	43,782,136	49,807,429	(6,025,293)	-12.1%	1,376,330	1,451,466	(73,136)	-5.0%	1,00072	1,00072	0.00000	0.0%
37. GPIF * (Already Adjusted for Taxes)	(188,421)	(188,421)	0	0.0%	1,376,330	1,451,466	(73,136)	-5.0%	3,17646	3,43153	(0,25507)	-7.4%
38. Fuel Cost Adjusted for Taxes (Incl. GPIF)	43,593,715	49,619,008	(6,025,293)	-12.1%	1,376,330	1,451,466	(73,136)	-5.0%	3,16279	3,41855	(0,25576)	-7.5%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.163	3.419	(0.256)	-7.5%

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

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
PERIOD TO DATE THROUGH: December 2019

	\$		DIFFERENCE		MWH		DIFFERENCE		CENTS/KWH		DIFFERENCE	
	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%	ACTUAL	ESTIMATED	AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	525,783,664	574,179,130	(48,395,466)	-8.4%	19,464,414	19,485,150	(20,736)	-0.1%	2,70126	2,94675	(0,24650)	-8.3%
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	4,462,962	4,462,045	917	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)	530,246,626	578,641,175	(48,394,549)	-8.4%	19,464,414	19,485,150	(20,736)	-0.1%	2,72418	2,98965	(0,26547)	-8.3%
6. Fuel Cost of Purchased Power - Firm (A7)	347,608	0	347,608	0.0%	10,270	0	10,270	0.0%	3,38469	0.00000	3,38469	0.0%
7. Energy Cost of Sch C,X Econ. Purch. (Broker) (A8)	43,757,439	32,887,040	10,870,399	33.1%	1,234,844	894,370	340,474	38.1%	3,54556	3,67712	(0,13356)	-3.6%
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	4,685,865	2,641,870	2,043,995	77.4%	221,747	90,120	131,627	146.1%	2,11316	2,93150	(0,81834)	-27.9%
11. Payments to Qualifying Facilities & Net Metering (A8)	48,790,912	35,528,910	13,262,002	37.3%	1,465,861	984,490	482,371	49.0%	3,32621	3,60886	(0,28265)	-7.8%
12. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	48,790,912	35,528,910	13,262,002	37.3%	1,465,861	984,490	482,371	49.0%	3,32621	3,60886	(0,28265)	-7.8%
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)			20,931,275		20,931,275		461,635	2.3%				
14. Fuel Cost of Sch. D Jurisd. Sales (A6)	646,314	271,470	374,844	138.1%	32,666	10,330	22,336	216.2%	1,97855	2,62798	(0,64942)	-24.7%
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)	2,781,388	453,055	2,328,333	513.9%	122,535	11,990	110,545	922.0%	2,26987	3,77861	(1,50873)	-39.9%
18. Gains on Sales	1,539,956	58,965	1,480,991	2511.6%								
19. TOTAL FUEL COST AND GAINS OF POWER SALES	4,967,668	783,490	4,184,168	534.0%	155,201	22,320	132,881	595.3%	3,20079	3,51026	(0,30947)	-8.8%
(LINE 14 + 15 + 16 + 17 + 18)												
20. Net Inadvertent Interchange					137	0	137	0.0%				
21. Wheeling Rec'd. less Wheeling Del'vd.					32,391	0	32,391	0.0%				
22. Interchange and Wheeling Losses					36,067	524	35,543	6781.0%				
23. TOTAL FUEL AND NET POWER TRANSACTIONS	574,069,880	613,386,595	(39,316,715)	-6.4%	20,772,535	20,446,796	325,739	1.6%	2,76560	2,99992	(0,23631)	-7.9%
(LINE 5 + 12 - 19 + 20 + 21 - 22)												
24. Net Unbilled	(2,754,691) (a)	(583,069) (a)	(2,171,622)	372.4%	(73,907)	14,441	(88,348)	-611.8%	3,72724	(4,03759)	7,76483	-192.3%
25. Company Use	1,050,461 (a)	1,127,927 (a)	(77,466)	-6.9%	37,790	37,200	590	1.6%	2,77973	3,02006	(0,25233)	-8.3%
26. T & D Losses	28,267,619 (a)	27,654,738 (a)	612,881	2.2%	1,025,086	912,723	112,363	12.3%	2,75759	3,02992	(0,27233)	-9.0%
27. System KWH Sales	574,069,880	613,386,595	(39,316,715)	-6.4%	19,783,566	19,482,432	301,134	1.5%	2,90175	3,14841	(0,24666)	-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	574,069,880	613,386,595	(39,316,715)	-6.4%	19,783,566	19,482,432	301,134	1.5%	2,90175	3,14841	(0,24666)	-7.8%
30. Jurisdictional Loss Multiplier												
31. Jurisdictional KWH Sales Adjusted for Line Losses	574,069,880	613,386,595	(39,316,715)	-6.4%	19,783,566	19,482,432	301,134	1.5%	2,90175	3,14841	(0,24666)	-7.8%
32. Adjustments - Schedule A2, page 2, lines 6c and 7a	0	0	0	0.0%	19,783,566	19,482,432	301,134	1.5%	0.00000	0.00000	0.00000	0.0%
33. True-up *	33,791,590	33,791,590	0	0.0%	19,783,566	19,482,432	301,134	1.5%	0.17081	0.17345	(0,00264)	-1.5%
34. Total Jurisdictional Fuel Cost (Excl. GPFI)	607,861,470	647,178,185	(39,316,715)	-6.1%	19,783,566	19,482,432	301,134	1.5%	3,07256	3,32186	(0,24930)	-7.5%
35. Revenue Tax Factor												
36. Fuel Cost Adjusted for Taxes (Excl. GPFI)	608,299,130	647,644,153	(39,345,023)	-6.1%	19,783,566	19,482,432	301,134	1.5%	1,00072	1,00072	0.00000	0.0%
37. GPFI * (Already Adjusted for Taxes)	(2,261,019)	(2,261,019)	0	0.0%	19,783,566	19,482,432	301,134	1.5%	0.01143	(0,01161)	0.00018	-7.5%
38. Fuel Cost Adjusted for Taxes (Incl. GPFI)	606,038,111	645,383,134	(39,345,023)	-6.1%	19,783,566	19,482,432	301,134	1.5%	3,06334	3,31264	(0,24930)	-7.5%
39. Fuel FAC Rounded to the Nearest .001 cents per KWH									3.063	3.313	(0.250)	-7.5%

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

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

	CURRENT MONTH		PERIOD TO DATE		DIFFERENCE AMOUNT	DIFFERENCE %
	ACTUAL	ESTIMATED	ACTUAL	ESTIMATED		
A. FUEL COST & NET POWER TRANSACTION						
1. FUEL COST OF SYSTEM NET GENERATION	38,938,646	44,322,631	525,783,664	574,179,130	(48,395,466)	-8.4%
1a. FUEL REL. R & D AND DEMO. COST	0	0	0	0	0	0.0%
2. FUEL COST OF POWER SOLD	116,328	58,980	3,427,702	724,525	2,703,177	373.1%
2a. GAINS FROM SALES	16,319	5,099	1,539,956	58,965	1,480,991	2511.6%
3. FUEL COST OF PURCHASED POWER	3,051	0	347,608	0	347,608	0.0%
3a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0	0	0.0%
3b. PAYMENT TO QUALIFIED FACILITIES	245,117	194,890	4,685,865	2,641,870	2,043,995	77.4%
4. ENERGY COST OF ECONOMY PURCHASES	386,875	1,008,830	43,757,439	32,887,040	10,870,399	33.1%
5. TOTAL FUEL & NET POWER TRANSACTION	39,441,042	45,462,272	569,606,918	608,924,550	(39,317,632)	-6.5%
6a. ADJ. - BIG BEND UNITS 1-4 IGNITERS CONVERSION PROJECT	360,100	359,827	4,462,962	4,462,045	917	0.0%
6b. ADJUSTMENT	0	0	0	0	0	0.0%
6c. ADJUSTMENT	0	0	0	0	0	0.0%
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS.	39,801,142	45,822,099	574,069,880	613,386,595	(39,316,715)	-6.4%
B. MWH SALES						
1. JURISDICTIONAL SALES	1,378,330	1,451,466	19,783,566	19,482,432	301,134	1.5%
2. NONJURISDICTIONAL SALES	0	0	0	0	0	0.0%
3. TOTAL SALES	1,378,330	1,451,466	19,783,566	19,482,432	301,134	1.5%
4. JURISDIC. SALES-% TOTAL MWH SALES	1.0000000	1.0000000	1.0000000	1.0000000	0.0000000	0.0%

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

	CURRENT MONTH		PERIOD TO DATE	
	ACTUAL	ESTIMATED	ACTUAL	ESTIMATED
			DIFFERENCE	DIFFERENCE
			AMOUNT	AMOUNT
			%	%
C. TRUE-UP CALCULATION				
1. JURISDICTIONAL FUEL REVENUE	43,513,445	45,990,470	(2,477,025)	605,688,614
			-5.4%	9,052,449
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0
			0.0%	0
2a. TRUE-UP PROVISION	(3,949,494)	(3,949,494)	0	(33,791,590)
			0.0%	0
2b. GPIF PROVISION	188,421	188,421	0	2,261,019
			0.0%	0
2c. ADJUSTMENT	0	0	0	0
			0.0%	0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	39,752,372	42,229,397	(2,477,025)	574,158,043
			-5.9%	9,052,449
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A7)	39,801,142	45,822,099	(6,020,957)	613,386,595
			-13.1%	(39,316,715)
5. JURISDIC. SALES-% TOTAL MWH SALES (LINE B4)	1,000,000	1,000,000	0	-
			0.0%	-
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS.	39,801,142	45,822,099	(6,020,957)	613,386,595
			-13.1%	(39,316,715)
6a. JURISDIC. LOSS MULTIPLIER	1,00000	1,00000	0	-
			0.0%	-
6b. (LINE C6 x LINE C6a)	39,801,142	45,822,099	(6,020,957)	613,386,595
			-13.1%	(39,316,715)
6c. ADJUSTMENT	0	0	0	0
			0.0%	0
6d. JURISDIC. TOTAL FUEL & NET PWR INCL. ALL ADJ (LNS. C6b+C6c)	39,801,142	45,822,099	(6,020,957)	613,386,595
			-13.1%	(39,316,715)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C3 - LINE C6d)	(48,770)	(3,592,702)	3,543,932	(39,228,552)
			-98.6%	48,369,164
8. INTEREST PROVISION FOR THE MONTH	4,312	1,987	2,325	(653,962)
			117.0%	(228,259)
9. TRUE-UP & INT. PROV. BEG. OF MONTH	1,174,036	565,782	608,254	NOT APPLICABLE
			107.5%	NOT APPLICABLE
10. TRUE-UP COLLECTED (REFUNDED)	3,949,494	3,949,494	0	NOT APPLICABLE
			0.0%	NOT APPLICABLE
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C7 through C10)	5,079,072	924,561	4,154,511	NOT APPLICABLE
			449.3%	NOT APPLICABLE

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

	CURRENT MONTH			PERIOD TO DATE		
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %
D. INTEREST PROVISION						
1. BEGINNING TRUE-UP AMOUNT (LINE C9)	1,174,036	565,782	608,254 107.5%			NOT APPLICABLE
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C7 + C9 + C10)	5,074,760	922,574	4,152,186 450.1%			NOT APPLICABLE
3. TOTAL BEG. & END. TRUE-UP AMOUNT	<u>6,248,796</u>	<u>1,488,356</u>	<u>4,760,440</u> 319.8%			NOT APPLICABLE
4. AVG. TRUE-UP AMOUNT - (50% OF LINE D3)	3,124,398	744,178	2,380,220 319.8%			NOT APPLICABLE
5. INT. RATE-FIRST DAY REP. BUS. MONTH	1,600	3,200	(1,600) -50.0%			NOT APPLICABLE
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	1,710	3,200	(1,490) -46.6%			NOT APPLICABLE
7. TOTAL (LINE D5 + LINE D6)	<u>3,310</u>	<u>6,400</u>	<u>(3,090)</u> -48.3%			NOT APPLICABLE
8. AVERAGE INT. RATE (50% OF LINE D7)	1,655	3,200	(1,545) -48.3%			NOT APPLICABLE
9. MONTHLY AVG. INT. RATE (LINE D8/12)	0.138	0.267	(0.129) -48.3%			NOT APPLICABLE
10. INT. PROVISION (LINE D4 x LINE D9)	<u>4,312</u>	<u>1,987</u>	<u>2,325</u> 117.0%			NOT APPLICABLE

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A6

JANUARY 2019 - DECEMBER 2019

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 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	10,330.0	0.0	10,330.0	2.628	2.760	271,470.00	285,080.00	13,610.00
VARIOUS	JURISD. MKT.BASE	11,990.0	0.0	11,990.0	3.779	4.157	453,054.69	498,410.00	45,355.31
TOTAL		22,320.0	0.0	22,320.0	3.246	3.510	724,524.69	783,490.00	58,965.31
ACTUAL:									
SEMINOLE ELEC. PRECO-1	JURISD. SCH. - D	32,667.2	1.2	32,666.0	1.979	2.176	646,313.90	710,945.31	39,305.47
CITY OF LAKELAND	SCH. - MA	21,885.0	0.0	21,885.0	2.113	3.090	462,436.10	676,228.41	170,760.31
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
DUKE ENERGY FLORIDA	SCH. - MA	11,545.0	0.0	11,545.0	2.266	3.383	261,586.13	390,605.20	118,521.77
EDF TRADING	SCH. - MA	158.0	0.0	158.0	1.910	3.465	3,018.50	5,474.23	2,153.95
EXGEN	SCH. - MA	3,534.0	0.0	3,534.0	1.754	2.766	61,988.23	97,760.98	29,291.49
FLORIDA POWER & LIGHT	SCH. - MA	14,913.0	0.0	14,913.0	2.636	4.561	393,063.36	680,209.38	263,529.67
FMPA	SCH. - MA	3,220.0	0.0	3,220.0	2.649	4.975	85,285.00	160,181.61	72,544.61
MACQUARIE ENERGY LLC	SCH. - MA	8,134.0	0.0	8,134.0	2.065	3.263	167,981.65	265,425.15	88,449.82
MORGAN STANLEY	SCH. - MA	60.0	0.0	60.0	2.152	3.647	1,291.20	2,188.01	784.61
NEW SMYRNA BEACH	SCH. - MA	305.0	0.0	305.0	1.952	3.589	5,952.76	10,946.30	4,536.15
ORLANDO UTILITIES	SCH. - MA	27,556.0	0.0	27,556.0	2.185	3.535	601,962.02	974,109.09	320,535.16
REEDY CREEK	SCH. - MA	1.0	0.0	1.0	1.962	2.140	19.62	21.40	1.13
SEMINOLE ELECTRIC	SCH. - MA	7,200.0	0.0	7,200.0	1.933	3.406	139,200.00	245,263.25	93,031.25
SOUTHERN COMPANY	SCH. - MA	275.0	0.0	275.0	1.826	4.999	5,022.00	13,747.43	7,811.93
THE ENERGY AUTHORITY	SCH. - MA	19,660.0	0.0	19,660.0	2.351	3.853	462,263.65	757,500.59	278,464.81
LESS 20% - THRESHOLD EXCESS	SCH. - D								0.00
LESS 20% - THRESHOLD EXCESS	SCH. - C								0.00
LESS 20% - THRESHOLD EXCESS	SCH. - CB								0.00
LESS 20% - THRESHOLD EXCESS	SCH. - MA								0.00
SUB-TOTAL		155,202.2	1.2	155,201.0	2.209	3.332	3,427,700.55	5,171,160.04	1,539,959.40
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		32,667.2	1.2	32,666.0	1.979	2.176	646,313.90	710,945.31	39,305.47
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.		122,535.0	0.0	122,535.0	2.270	3.640	2,781,386.65	4,460,214.73	1,500,653.93
TOTAL		155,202.2	1.2	155,201.0	2.209	3.332	3,427,700.55	5,171,160.04	1,539,959.40
DIFFERENCE		132,882.2	1.2	132,881.0	(1.037)	(0.178)	2,703,175.86	4,387,670.04	1,480,994.09
DIFFERENCE %		595.4%	0.0%	595.3%	-31.9%	-5.1%	373.1%	560.0%	2511.6%

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A7

JANUARY 2019 - DECEMBER 2019

PURCHASED POWER
(EXCLUSIVE OF ECONOMY & COGENERATION)
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 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:								
PASCO COGEN	SCH. - D *	0.0	0.0	0.0	0.0	0.000	0.000	103,799.73
DUKE ENERGY FLORIDA	EMERG A	124.0	0.0	0.0	124.0	19.671	19.671	24,392.04
ORLANDO UTIL. COMM.	EMERG A	100.0	0.0	0.0	100.0	5.635	5.635	5,635.00
DUKE ENERGY FLORIDA	OATT	10,046.0	0.0	0.0	10,046.0	2.128	2.128	213,781.69
SUB-TOTAL		10,270.0	0.0	0.0	10,270.0	3.385	3.385	347,608.46
SUB-TOTAL SCHEDULE D PURCHASED POWER		0.0	0.0	0.0	0.0	0.000	0.000	103,799.73
SUB-TOTAL SCHEDULE EMERG A PURCHASED POWER		224.0	0.0	0.0	224.0	13.405	13.405	30,027.04
SUB-TOTAL SCHEDULE OATT PURCHASED POWER		10,046.0	0.0	0.0	10,046.0	2.128	2.128	213,781.69
TOTAL		10,270.0	0.0	0.0	10,270.0	3.385	3.385	347,608.46
DIFFERENCE		10,270.0	0.0	0.0	10,270.0	3.385	3.385	347,608.46
DIFFERENCE %		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

* Includes adjustments to December 2018 and for the sale of back-up oil for Pasco Cogen

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A8

JANUARY 2019 - DECEMBER 2019

ENERGY PAYMENT TO QUALIFYING FACILITIES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
						CENTS/KWH		
	TYPE	TOTAL	MWH FROM	MWH FOR	MWH	(A)	(B)	TOTAL \$ FOR FUEL
ESTIMATED:								
VARIOUS								
	COGEN.							
	AS AVAIL.	90,120.0	0.0	0.0	90,120.0	2.932	2.932	2,641,870.00
TOTAL		<u>90,120.0</u>	<u>0.0</u>	<u>0.0</u>	<u>90,120.0</u>	<u>2.932</u>	<u>2.932</u>	<u>2,641,870.00</u>
ACTUAL:								
AS AVAILABLE								
McKAY BAY REFUSE	COGEN.	9.0	0.0	0.0	9.0	2.504	2.504	225.32
CARGILL RIDGEWOOD	COGEN.	11,196.0	0.0	0.0	11,196.0	2.184	2.184	244,513.76
CARGILL MILLPOINT	COGEN.	35,428.0	0.0	0.0	35,428.0	2.141	2.141	758,604.34
IMC-AGRICO-NEW WALES	COGEN.	2,743.0	0.0	0.0	2,743.0	2.525	2.525	69,259.22
IMC-AGRICO-S. PIERCE	COGEN.	170,709.0	0.0	0.0	170,709.0	2.092	2.092	3,571,294.72
SUB-TOTAL COGEN		220,085.0	0.0	0.0	220,085.0	2.110	2.110	4,643,897.36
NET METERING		1,659.5	0.0	0.0	1,659.5	2.529	2.529	41,969.26
TOTAL INCL NET METERING		<u>221,744.5</u>	<u>0.0</u>	<u>0.0</u>	<u>221,744.5</u>	<u>2.113</u>	<u>2.113</u>	<u>4,685,866.62</u>
DIFFERENCE		131,624.5	0.0	0.0	131,624.5	(0.818)	(0.818)	2,043,996.62
DIFFERENCE %		146.1%	0.0%	0.0%	146.1%	-27.9%	-27.9%	77.4%

FUEL AND PURCHASED POWER COST RECOVERY
SCHEDULE A9

JANUARY 2019 - DECEMBER 2019

ECONOMY ENERGY PURCHASES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL MWH PURCHASED	(4) MWH FOR INTERRUPTIBLE	(5) MWH FOR FIRM	(6) TRANSACTION COSTS	(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	894,370.0	0.0	894,370.0	3.677	32,887,040.00	4.358	38,976,438.00	6,089,398.00
TOTAL		894,370.0	0.0	894,370.0	3.677	32,887,040.00	4.358	38,976,438.00	6,089,398.00
ACTUAL:									
CITY OF LAKELAND	SCH. - J	330.0	0.0	330.0	3.900	12,870.00	3.900	12,870.00	0.00
CITY OF TALLAHASSEE	SCH. - J	2,740.0	0.0	2,740.0	1.264	34,630.00	2.174	59,557.50	24,927.50
DUKE ENERGY FLORIDA	SCH. - J	862,265.0	0.0	862,265.0	3.456	29,802,243.71	4.400	37,941,085.12	8,138,841.41
EDF TRADING	SCH. - J	1,825.0	0.0	1,825.0	5.574	101,730.00	6.422	117,199.50	15,469.50
EXGEN	SCH. - J	31,544.0	96.4	31,447.6	3.896	1,225,154.84	5.102	1,604,332.63	379,177.79
FLORIDA POWER & LIGHT	SCH. - J	88,433.0	47.4	88,385.6	4.281	3,783,721.15	4.857	4,293,136.70	509,415.55
FMPA	SCH. - J	185,070.0	0.0	185,070.0	2.994	5,541,618.05	3.427	6,342,462.85	800,844.80
MACQUARIE ENERGY LLC	SCH. - J	3,529.0	0.0	3,529.0	6.412	226,294.00	6.911	243,898.00	17,604.00
MORGAN STANLEY	SCH. - J	6,179.0	0.0	6,179.0	4.734	292,497.00	4.832	298,555.30	6,058.30
ORLANDO UTIL. COMM.	SCH. - J	17,152.0	0.0	17,152.0	4.918	843,525.00	5.833	1,000,487.15	156,962.15
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
SOUTHERN COMPANY	SCH. - J	9,162.0	0.0	9,162.0	4.956	454,041.00	4.956	454,041.00	0.00
THE ENERGY AUTHORITY	SCH. - J	22,172.0	0.0	22,172.0	5.281	1,170,855.00	6.089	1,349,960.57	179,105.57
SUB-TOTAL		1,234,988.0	143.8	1,234,844.2	3.544	43,757,439.75	4.372	53,985,846.32	10,228,406.57
SUB-TOTAL SCHEDULE J ECONOMY PURCHASES		1,234,988.0	143.8	1,234,844.2	3.544	43,757,439.75	4.372	53,985,846.32	10,228,406.57
TOTAL		1,234,988.0	143.8	1,234,844.2	3.544	43,757,439.75	4.372	53,985,846.32	10,228,406.57
DIFFERENCE		340,618.0	143.8	340,474.2	(0.134)	10,870,399.75	0.014	15,009,408.32	4,139,008.57
DIFFERENCE %		38.1%	0.0%	38.1%	-3.6%	33.1%	0.3%	38.5%	68.0%

FUEL AND PURCHASED POWER COST RECOVERY

SCHEDULE A12

JANUARY 2019 - DECEMBER 2019

REDACTED

CAPACITY COSTS
ACTUAL PURCHASES AND SALES
TAMPA ELECTRIC COMPANY
FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

CONTRACT	START	END	CONTRACT TYPE
SEMINOLE ELECTRIC **	6/1/1992		LT

QF = QUALIFYING FACILITY
 LT = LONG TERM
 ST = SHORT-TERM
 ** THREE YEAR NOTICE REQUIRED FOR TERMINATION.

CONTRACT	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	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	11.5	
CAPACITY	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
FLORIDA POWER & LIGHT													
DUKE ENERGY FLORIDA													
JACKSONVILLE ELECTRIC AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
DUKE ENERGY FLORIDA - MA													
FLORIDA POWER & LIGHT - MA													
CITY OF LAKELAND - MA													
ORLANDO UTILITIES - MA													
EXGEN - MA													
REEDY CREEK - MA													
SEMINOLE ELECTRIC - MA													
THE ENERGY AUTHORITY - MA													
MACQUARIE ENERGY LLC - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
FNPA - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	\$ (85,697)	\$ (79,999)	\$ (5,304)	\$ (34,891)	\$ (105,743)	\$ (33,906)	\$ (33,514)	\$ (72,766)	\$ (43,150)	\$ (375,827)	\$ (66,585)	\$ (95,168)	\$ (1,002,540)
TOTAL CAPACITY	\$ (85,697)	\$ (79,999)	\$ (5,304)	\$ (34,891)	\$ (105,743)	\$ (33,906)	\$ (33,514)	\$ (72,766)	\$ (43,150)	\$ (375,827)	\$ (66,585)	\$ (95,168)	\$ (1,002,540)

EXHIBIT TO THE TESTIMONY OF

M. ASHLEY SIZEMORE

DOCUMENT NO. 5

CAPITAL PROJECTS APPROVED FOR FUEL CLAUSE RECOVERY

JANUARY 2019 - DECEMBER 2019

**BIG BEND UNITS 1-4 IGNITERS CONVERSION TO NATURAL GAS
 SCHEDULE OF DEPRECIATION AND RETURN
 FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 BEGINNING BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
2 ADD INVESTMENT: Big Bend Unit 3 (Jan 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2a ADD INVESTMENT: Big Bend Unit 4 (May 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2b ADD INVESTMENT: Big Bend Unit 2 (June 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2c ADD INVESTMENT: Big Bend Unit 1 (November 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
5													
6 AVERAGE BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
7 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%
8 DEPRECIATION EXPENSE	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	348,506	4,182,070
9													
10 LESS RETIREMENTS	15,095,780	15,444,286	15,792,792	16,141,297	16,489,803	16,838,309	17,186,815	17,535,321	17,883,826	18,232,332	18,580,838	18,929,344	15,095,780
11 BEGINNING BALANCE DEPRECIATION	\$15,444,286	\$15,792,792	\$16,141,297	\$16,489,803	\$16,838,309	\$17,186,815	\$17,535,321	\$17,883,826	\$18,232,332	\$18,580,838	\$18,929,344	\$19,277,850	\$19,277,850
12 ENDING BALANCE DEPRECIATION													
13													
14													
15 ENDING NET INVESTMENT	\$5,466,062	\$5,117,557	\$4,769,051	\$4,420,545	\$4,072,039	\$3,723,533	\$3,375,028	\$3,026,522	\$2,678,016	\$2,329,510	\$1,981,004	\$1,632,499	\$1,632,499
16													
17													
18 AVERAGE INVESTMENT	\$5,640,315	\$5,291,809	\$4,943,304	\$4,594,798	\$4,246,292	\$3,897,786	\$3,549,280	\$3,200,775	\$2,852,269	\$2,503,763	\$2,155,257	\$1,806,751	\$1,806,751
19 ALLOWED EQUITY RETURN	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%	36019%
20 EQUITY COMPONENT AFTER-TAX	20,316	19,061	17,805	16,550	15,295	14,040	12,785	11,530	10,275	9,020	7,765	6,510	6,510
21 CONVERSION TO PRE-TAX	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295	1,34295
22 EQUITY COMPONENT PRE-TAX	\$27,283	\$25,598	\$23,911	\$22,226	\$20,540	\$18,855	\$17,170	\$15,485	\$13,800	\$12,115	\$10,430	\$8,745	\$8,745
23													
24 ALLOWED DEBT RETURN	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%	-14287%
25 DEBT COMPONENT	\$5,058	\$7,560	\$7,062	\$9,564	\$5,067	\$5,569	\$5,137	\$4,633	\$4,128	\$3,624	\$3,120	\$2,615	\$64,137
26 TAX REPORT TRUE-UP													
27 REQUIREMENTS													
28 PRIOR MONTH TRUE-UP													
29 TOTAL DEPRECIATION & RETURN	\$383,847	\$381,664	\$379,479	\$377,296	\$375,113	\$372,930	\$371,476	\$369,221	\$366,965	\$364,710	\$362,455	\$360,200	\$4,462,962
30													
31 ESTIMATED FUEL SAVINGS	\$556,528	\$516,586	\$413,422	\$696,832	\$685,374	\$495,625	\$860,614	\$473,271	\$196,904	\$394,880	\$552,612	\$426,633	\$6,257,182
32 TOTAL DEPRECIATION & RETURN	\$383,847	\$381,664	\$379,479	\$377,296	\$375,113	\$372,930	\$371,476	\$369,221	\$366,965	\$364,710	\$362,455	\$360,200	\$4,462,962
33 NET BENEFIT (COST) TO RATEPAYER	\$172,661	\$133,923	\$33,943	\$318,536	\$310,261	\$122,695	\$489,039	\$104,050	(\$170,061)	\$22,446	\$190,275	\$66,433	\$1,794,221

34 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.
 35 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JUNE USING AN ANNUAL RATE OF 7.5190% (EQUITY 5.8046%, DEBT 1.7144%), RATES ARE BASED ON THE MAY 2018 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).
 36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - SEPTEMBER USING AN ANNUAL RATE OF 7.7662% (EQUITY 6.0293%, DEBT 1.7369%), RATES ARE BASED ON THE MAY 2019 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).
 37 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR OCTOBER - DECEMBER AND THE YEAR-TO-DATE TRUE UP FOR JULY - SEPTEMBER USING AN ANNUAL RATE OF 7.7004% (EQUITY 5.9655%, DEBT 1.7369%), RATES ARE BASED ON THE MAY 2019 SURVEILLANCE REPORT AND UPDATED TAX RATE PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).
 38 A RETROACTIVE CHANGE TO THE STATE TAX RATE LED TO A DECREASE IN THE TAX MULTPLIER FROM 1.34295 TO 1.32830 AND A RESULTING YEAR-TO-DATE ROI TRUE-UP OF (62,058) IN OCTOBER 2019
 39 THE RETURN REQUIREMENT FOR JANUARY - SEPTEMBER IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 25.345%
 40 THE RETURN REQUIREMENT FOR OCTOBER - DECEMBER AND THE YEAR-TO-DATE TRUE-UP IN OCTOBER IS CALCULATED BASED ON A COMBINED STATUTORY RATE OF 24.522%
 41 ZERO PROJECTED GENERATION RESULTS IN ZERO ESTIMATED FUEL SAVINGS FOR THAT MONTH.

Tampa Electric Company
Calculation of Revenue Requirement Rate of Return
For Cost Recovery Clauses
JANUARY 2019 to JUNE 2019
Prior to State Tax Reform

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2018 Capital Structure (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,719,219	30.51%	5.13%	1.5652%
Short Term Debt	244,333	4.34%	2.18%	0.0945%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	96,005	1.70%	2.43%	0.0414%
Common Equity	2,367,502	42.02%	10.25%	4.3067%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	1,187,473	21.07%	0.00%	0.0000%
Deferred ITC - Weighted Cost	<u>20,116</u>	<u>0.36%</u>	8.10%	<u>0.0289%</u>
Total	<u>\$ 5,634,648</u>	<u>100.00%</u>		<u>6.04%</u>

ITC split between Debt and Equity:

Long Term Debt	\$ 1,719,219	Long Term Debt	46.00%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>2,367,502</u>	Equity - Common	<u>54.00%</u>
Total	<u>\$ 4,086,721</u>	Total	<u>100.00%</u>

Deferred ITC - Weighted Cost:

Debt = .0289% * 46.00%	0.0133%
Equity = .0289% * 54.00%	<u>0.0156%</u>
Weighted Cost	<u>0.0289%</u>

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.3067%
Deferred ITC - Weighted Cost	<u>0.0156%</u>
	4.3223%
Times Tax Multiplier	1.34295
Total Equity Component	<u>5.8046%</u>

Total Debt Cost Rate:

Long Term Debt	1.5652%
Short Term Debt	0.0945%
Customer Deposits	0.0414%
Deferred ITC - Weighted Cost	<u>0.0133%</u>
Total Debt Component	<u>1.7144%</u>
	<u>7.5190%</u>

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2017 Base Rates Settlement Agreement Dated September 27, 2017.
 Column (2) - Column (1) / Total Column (1)
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Tampa Electric Company
Calculation of Revenue Requirement Rate of Return
For Cost Recovery Clauses
July 2019 to December 2019
Prior to State Tax Reform

	(1)	(2)	(3)	(4)
	Jurisdictional Rate Base Actual May 2019 Capital Structure (\$000)	Ratio %	Cost Rate %	Weighted Cost Rate %
Long Term Debt	\$ 1,897,597	31.57%	4.89%	1.5435%
Short Term Debt	211,895	3.52%	2.97%	0.1047%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	94,966	1.58%	2.38%	0.0376%
Common Equity	2,598,065	43.22%	10.25%	4.4297%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	1,125,550	18.72%	0.00%	0.0000%
Deferred ITC - Weighted Cost	<u>83,633</u>	<u>1.39%</u>	7.98%	<u>0.1110%</u>
Total	<u>\$ 6,011,707</u>	<u>100.00%</u>		<u>6.23%</u>

ITC split between Debt and Equity:

Long Term Debt	\$ 1,897,597	Long Term Debt	46.00%
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Equity - Common	<u>2,598,065</u>	Equity - Common	<u>54.00%</u>
Total	<u>\$ 4,495,662</u>	Total	<u>100.00%</u>

Deferred ITC - Weighted Cost:

Debt = 0.1110% * 46.00%	0.0511%
Equity = 0.1110% * 54.00%	<u>0.0599%</u>
Weighted Cost	<u>0.1110%</u>

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.4297%
Deferred ITC - Weighted Cost	<u>0.0599%</u>
	4.4896%
Times Tax Multiplier	1.34295
Total Equity Component	<u>6.0293%</u>

Total Debt Cost Rate:

Long Term Debt	1.5435%
Short Term Debt	0.1047%
Customer Deposits	0.0376%
Deferred ITC - Weighted Cost	<u>0.0511%</u>
Total Debt Component	<u>1.7369%</u>
	<u>7.7662%</u>

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Tampa Electric Company
Calculation of Revenue Requirement Rate of Return
For Cost Recovery Clauses
JANUARY 2019 to JUNE 2019
Updated for State Tax Reform

	(1)	(2)	(3)	(4)
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Times Tax Multiplier	1.32830
Total Equity Component	<u>5.7413%</u>

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