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August 10, 2018

VIA: ELECTRONIC FILING

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Conservation Cost Recovery Clause
FPSC Docket No. 20180002-EG


Dear Ms. Stauffer:

Attached for filing in the above docket on behalf of Tampa Electric Company are the original of each of the following:

1. Petition of Tampa Electric Company.
2. Prepared Direct Testimony and Exhibit (MRR-2) of Mark R. Roche.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Attachment

cc: All Parties of Record (w/attachment)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost)
Recovery Clause.)
_____)

DOCKET NO. 20180002-EG

FILED: August 10, 2018

PETITION OF TAMPA ELECTRIC COMPANY

Tampa Electric Company ("Tampa Electric" or "the company"), hereby petitions the Commission for approval of the company's conservation cost recovery true-up and the cost recovery factors proposed for use during the period January through December 2019. In support thereof, the company says:

Conservation Cost Recovery

1. During the period January through December 2017, Tampa Electric incurred actual net conservation costs of \$37,585,606 plus a beginning true-up under-recovery of \$789,258 for a total of \$38,374,864. The amount collected through the Conservation Cost Recovery Clause was \$37,738,117. The true-up amount for January through December 2017 was an under-recovery of \$649,408 including interest. (See Exhibit (MRR-1); Schedule CT-1, Page 1 of 1 and CT-2, Page 1 of 4, filed May 1, 2018).

2. During the period January through December 2018, the company anticipates incurring expenses of \$47,360,743. For the period, the total net true-up under-recovery is estimated to be \$5,603,241 including interest. (See Exhibit (MRR-2); Schedule C-3, page 9 of 9).

3. For the forthcoming cost recovery period January through December 2019, Tampa Electric projects its total incremental conservation costs to be \$51,672,575. Tampa Electric's total true-up and projected expenditures for the projection period are estimated to be \$57,275,816 including true-up estimates for January through December 2018. Utilizing the rate design and cost

allocation as put forth in Docket No. 130040-EI, the required conservation cost recovery factors are as follows:

<u>Rate Schedule</u>	<u>Cost Recovery Factors (cents per kWh)</u>
RS	0.321
GS and CS	0.292
GSD Optional–Secondary	0.272
GSD Optional–Primary	0.269
GSD Optional–Subtransmission	0.267
LS-1	0.180

<u>Rate Schedule</u>	<u>Cost Recovery Factors (dollars per kW)</u>
GSD-Secondary	1.17
GSD-Primary	1.15
GSD-Subtransmission	1.14
SBF–Secondary	1.17
SBF–Primary	1.15
SBF–Subtransmission	1.14
IS–Secondary	0.94
IS-Primary	0.93
IS–Subtransmission	0.92

(See Exhibit (MRR-2); Schedule C-1, Page 1 of 1)

4. The Contracted Credit Value (“CCV”) amounts for the forthcoming cost recovery period, January through December 2019, as approved by the Commission in Order No. PSC-2017-0456-S-EI, shall be as follows:

CCV dollars per kW by Voltage Level

	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>
2019	10.23	10.13	10.03

5. For the forthcoming cost recovery period, January through December 2019, the residential Price Responsive Load Management ("RSVP-1") rates are as follows:

<u>Rate Tier</u>	<u>Cents per kWh</u>
P4	34.911
P3	5.936
P2	-0.877
P1	-2.319

(See Exhibit (MRR-2); page 69)

6. Tampa Electric is not aware of any disputed issues of material fact relating to the matters addressed or the relief requested in this petition.

WHEREFORE, Tampa Electric Company requests the Commission's approval of the company's prior period conservation cost recovery true-up calculations and projected conservation cost recovery charges to be collected during the period January 1, 2019 through December 31, 2019.

DATED this 10th day of August, 2018.

Respectfully submitted,



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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 10th day of August 2018 to the following:

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ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 20180002-EG
IN RE: CONSERVATION COST RECOVERY CLAUSE

TESTIMONY AND EXHIBIT

OF

MARK R. ROCHE

FILED: AUGUST 10, 2018

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **MARK R. ROCHE**

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

7
8 **A.** My name is Mark R. Roche. My business address is 702
9 North Franklin Street, Tampa, Florida 33602. I am
10 employed by Tampa Electric Company ("Tampa Electric" or
11 "the company") and Peoples Gas System ("Peoples") as
12 Manager, Regulatory Rates in the Regulatory Affairs
13 Department.

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

17
18 **A.** I graduated from Thomas Edison State College in 1994 with
19 a Bachelor of Science degree in Nuclear Engineering
20 Technology and from Colorado State University in 2009
21 with a Master's degree in Business Administration. My
22 work experience includes twelve years with the US Navy in
23 nuclear operations as well as twenty years of electric
24 utility experience. My utility work has included various
25 positions in Marketing and Sales, Customer Service,

1 Distributed Resources, Load Management, Power Quality,
2 Distribution Control Center operations, Meter Department,
3 Meter Field Operations, Service Delivery, Revenue
4 Assurance, Commercial and Industrial Energy Management
5 Services, Demand Side Management ("DSM") Planning and
6 Forecasting. In my current position, I am responsible
7 for Tampa Electric's Energy Conservation Cost Recovery
8 ("ECCR") Clause, Peoples' Natural Gas Conservation Cost
9 Recovery Clause and Tampa Electric's Storm Hardening.

10
11 **Q.** Have you previously testified before the Florida Public
12 Service Commission ("Commission")?

13
14 **A.** Yes. I have testified before this Commission on
15 conservation and load management activities, DSM plan
16 approval dockets and other ECCR dockets.

17
18 **Q.** What is the purpose of your testimony in this proceeding?

19
20 **A.** The purpose of my testimony is to support the company's
21 actual conservation costs incurred during the period
22 January through December 2017, the actual/projected
23 period January to December 2018, and the projected period
24 January through December 2019. The projected 2019 ECCR
25 factors have been calculated based on the current

1 approved allocation methodology. Also, I will support
2 the appropriate Contracted Credit Value ("CCV") for
3 participants in the General Service Industrial Load
4 Management Riders ("GSLM-2" and "GSLM-3") for the period
5 January through December 2019. In addition, I will
6 support the appropriate Residential Variable Pricing
7 Rates ("RSVP-1") for participants in the Residential
8 Price Responsive Load Management Program for the period
9 January through December 2019.

10
11 **Q.** Did you prepare any exhibits in support of your
12 testimony?

13
14 **A.** Yes. Exhibit No. MRR-2 was prepared under my direction
15 and supervision. This document includes Schedules C-1
16 through C-5 and associated data which support the
17 development of the conservation cost recovery factors for
18 January through December 2019 using the current 12
19 Coincident Peak ("CP") and 1/13 Average Demand ("AD")
20 Factor allocation methodology.

21
22 **Q.** Does the Exhibit No. MRR-2 meet the requirements of
23 Florida Statute Rule 25-17.015(1)(b) which requires the
24 projection filing to include the annual estimated/actual
25 true-up filing showing eight months actual and four

1 months projected commons costs, individual program costs
2 and any revenues?

3

4 **A.** No, based upon the due date of August 10, 2018 for this
5 filing in Docket No. 20180002-EG it would be impossible
6 for Tampa Electric to comply with having eight months
7 actual and four months projected commons costs,
8 individual program costs and any revenues.

9

10 **Q.** Did Tampa Electric communicate this issue to the
11 Commission?

12

13 **A.** Yes, Tampa Electric filed a joint petition on March 9,
14 2018, with the other investor owned utilities for a two-
15 year waiver of Rule 25-17.015(1)(b) which would allow the
16 company to file the annual estimated/actual true up
17 filings of six months actual and six months of projected
18 data.

19

20 **Q.** Did the Commission approve this requested waiver?

21

22 **A.** Yes, the requested waiver received Commission approval in
23 Order No. PSC-2018-0244-PAA-EG.

24

25 **Q.** Did Tampa Electric submit the 2018 annual

1 estimated/actual true up filings of six months actual and
2 six months of projected data based upon this rule waiver?

3

4 **A.** Yes.

5

6 **Q.** Please describe the conservation program costs projected
7 by Tampa Electric during the period January through
8 December 2017.

9

10 **A.** For the period January through December 2017, Tampa
11 Electric projected conservation program costs to be
12 \$37,913,383. The Commission authorized collections to
13 recover these expenses in Docket No. 20160002-EG, Order
14 No. PSC-2016-0534-FOF-EG, issued November 23, 2016.

15

16 **Q.** For the period January through December 2017, what were
17 Tampa Electric's conservation costs and what was
18 recovered through the ECCR clause?

19

20 **A.** For the period January through December 2017, Tampa
21 Electric incurred actual net conservation costs of
22 \$37,585,606 plus a beginning true-up under-recovery of
23 \$789,258 for a total of \$38,374,864. The amount
24 collected in the ECCR clause was \$37,738,117.

25

1 **Q.** What was the true-up amount?

2

3 **A.** The true-up amount for the period January through
4 December 2017 was an under-recovery of \$649,408 including
5 interest.

6

7 **Q.** Please describe the conservation program costs projected
8 to be incurred by Tampa Electric during the period
9 January through December 2018?

10

11 **A.** The actual costs incurred by Tampa Electric through June
12 2018 and projected for July through December 2018 are
13 \$47,360,743. For the period, Tampa Electric anticipates
14 an under-recovery in the ECCR Clause of \$5,603,241 which
15 includes the 2017 true-up and interest. A summary of
16 these costs and estimates are fully detailed in Exhibit
17 No. MRR-2, Conservation Costs Projected, pages 22 through
18 30.

19

20 **Q.** Has Tampa Electric proposed any new or modified DSM
21 Programs for ECCR cost recovery for the period January
22 through December 2019?

23

24 **A.** No, at this time Tampa Electric is not proposing any new
25 or modified program for ECCR cost recovery for the period

1 January through December 2019.

2
3 **Q.** Please summarize the proposed conservation costs for the
4 period January through December 2019 and the annualized
5 recovery factors based on a 12 CP and 1/13 AD basis
6 applicable for the period January through December 2019?

7
8 **A.** Tampa Electric has estimated that the total conservation
9 costs (less program revenues) during the period will be
10 \$51,672,575 plus true-up. Including true-up estimates,
11 the January through December 2019 cost recovery factors
12 allocated on a 12 CP and 1/13 AD basis for firm retail
13 rate classes are as follows:

	Cost Recovery Factors
<u>Rate Schedule</u>	<u>(cents per kWh)</u>
17 RS	0.321
18 GS and CS	0.292
19 GSD Optional - Secondary	0.272
20 GSD Optional - Primary	0.269
21 GSD Optional - Subtransmission	0.267
22 LS-1	0.180

1 **Cost Recovery Factors**

2 **Rate Schedule** **(dollars per kW)**

3 GSD - Secondary	1.17
4 GSD - Primary	1.15
5 GSD - Subtransmission	1.14
6 SBF - Secondary	1.17
7 SBF - Primary	1.15
8 SBF - Subtransmission	1.14
9 IS - Secondary	0.94
10 IS - Primary	0.93
11 IS - Subtransmission	0.92

12 Exhibit No. MRR-2, Conservation Costs Projected, pages 15
13 through 21 contain the Commission prescribed forms which
14 detail these estimates.

15
16 **Q.** Has Tampa Electric complied with the ECCR cost allocation
17 methodology stated in Docket No. 930759-EG, Order No.
18 PSC-93-1845-EG?

19
20 **A.** Yes, it has.

21
22 **Q.** Do the proposed conservation costs for the period January
23 through December 2019 include the impacts of tax reform
24 that come from the Tax Cuts and Job Act of 2017?

25

1 **A.** Yes, it does.

2

3 **Q.** Please explain why the incentive for GSLM-2 and GSLM-3
4 rate riders is included in your testimony?

5

6 **A.** In Docket No. 990037-EI, Tampa Electric petitioned the
7 Commission to close its non-cost-effective interruptible
8 service rate schedules while initiating the provision of
9 a cost-effective non-firm service through a new load
10 management program. This program would be funded through
11 the ECCR clause and the appropriate monthly CCV billing
12 credit for participating customers would be submitted for
13 Commission approval as part of the company's annual ECCR
14 projection filing.

15

16 **Q.** Is Tampa Electric recalculating the 2019 CCV amount?

17

18 **A.** No, in Tampa Electric's Petition for limited proceeding
19 to approve the company's 2017 amended and restated
20 stipulation and settlement agreement (Docket No.
21 20170210-EI), the values to be used for the CCV amount on
22 an ongoing basis were approved by the Commission in Order
23 No. PSC-2017-0456-S-EI, on November 27, 2017.

24

25 **Q.** What were the new CCV amounts approved by the Commission?

1 **A.** The new CCV amounts approved by the Commission were
2 marginally increased by the settlement agreement to
3 \$10.23 per kW for secondary, \$10.13 per kW for primary
4 and \$10.03 per kW for subtransmission voltage customers.
5 These new CCV amounts took effect on January 1, 2018.

6
7 **Q.** What is the appropriate CCV for customers who elect to
8 take service under the GSLM-2 and GSLM-3 rate riders
9 during the January through December 2019 period?

10
11 **A.** For the January through December 2019 period, the table
12 below lists the CCV for 2019 by voltage level including
13 the past six years of CCV:

14
15 **CCV dollars per kW by Voltage Level**

	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
16				
17	2019	10.23	10.13	10.03
18	2018	10.23	10.13	10.03
19	2017	9.98	9.88	9.78
20	2016	8.81	8.72	8.63
21	2015	8.14	8.06	7.98
22	2014	7.72	7.64	7.57
23	2013	6.81	6.74	6.67

24
25 If the 2019 assessment for need determination indicates

1 the availability of new non-firm load, the CCV will be
2 applied to new subscriptions for service under those rate
3 riders.

4
5 **Q.** Please explain why the RSVP-1 rates for Residential Price
6 Responsive Load Management are in your testimony?

7
8 **A.** In Docket No. 070056-EG, Tampa Electric's petition to
9 allow its pilot residential price responsive load
10 management initiative to become permanent was approved by
11 the Commission on August 28, 2007. This program is to be
12 funded through the ECCR clause and the appropriate annual
13 RSVP-1 rates for customers are to be submitted for
14 Commission approval as part of the company's annual ECCR
15 projection filing.

16
17 **Q.** What are the appropriate RSVP-1 rates for customers who
18 elect to take this service during the January through
19 December 2019?

20
21 **A.** The appropriate RSVP-1 rates during the January through
22 December 2019 period for Tampa Electric's Price
23 Responsive Load Management program based upon the
24 company's 2019 residential base rates and the 2019
25 projected clause amounts for ECCR, Fuel and Purchased

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Power Cost Recovery, Capacity Cost Recovery and the Environmental Cost Recovery are as follows:

<u>Rate Tier</u>	<u>(Cents per kWh)</u>
P4	34.911
P3	5.936
P2	(0.877)
P1	(2.319)

Page 69 contains the projected RSVP-1 rates for 2019.

Q. Does this conclude your testimony?

A. Yes, it does.

CONSERVATION COSTS
PROJECTED

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TAMPA ELECTRIC COMPANY
 CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
 JANUARY 2019 THROUGH DECEMBER 2019
 Projected

	(1) AVG 12CP Load Factor at Meter (%)	(2) Projected Sales at Meter (MwH)	(3) Projected AVG 12 CP at Meter (Mw)	(4) Demand Loss Expansion Factor	(5) Energy Loss Expansion Factor	(6) Projected Sales at Generation (MwH)	(7) Projected AVG 12 CP at Generation (Mw)	(8) Percentage of Sales at Generation (%)	(9) Percentage of Demand at Generation (%)	(10) 12 CP & 1/13% Avg Demand Factor (%)
RS	53.88%	9,382,624	1,988	1.08036	1.05201	9,870,588	2,148	48.30%	57.04%	56.37%
GS,TS	65.19%	955,831	167	1.08036	1.05199	1,005,526	181	4.92%	4.81%	4.82%
GSD Optional	3.72%	401,209	60	1.07581	1.04842	420,635	65	2.06%	1.73%	1.76%
GSD, SBF Standard	72.02%	7,769,102	1,171	1.07581	1.04842	8,145,268	1,260	39.85%	33.47%	33.96%
IS	90.33%	800,071	101	1.02952	1.01769	814,225	104	3.98%	2.76%	2.85%
LS1	305.67%	173,595	6	1.08036	1.05201	182,623	7	0.89%	0.19%	0.24%
TOTAL		19,482,432	3,494			20,438,865	3,765	100%	100%	100%

- (1) AVG 12 CP load factor based on projected 2018 calendar data.
- (2) Projected MWH sales for the period Jan. 2019 thru Dec. 2019
- (3) Calculated: Col (2) / (8760*Col (1)).
- (4) Based on 2018 projected demand losses.
- (5) Based on 2018 projected energy losses.
- (6) Col (2) * Col (5).
- (7) Col (3) * Col (4).
- (8) Col (6) / total for Col (6).
- (9) Col (7) / total for Col (7).
- (10) Col (8) * 0.0769 + Col (9) * 0.9231

C-1
 Page 1 of 1

TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Summary of Cost Recovery Clause Calculation
 For Months January 2019 through December 2019

1. Total Incremental Cost (C-2, Page 1, Line 17)	51,672,575
2. Demand Related Incremental Costs	27,074,648
3. Energy Related Incremental Costs	24,597,927

RETAIL BY RATE CLASS

	<u>RS</u>	<u>GS,CS</u>	<u>GSD, SBF STANDARD</u>	<u>GSD OPTIONAL</u>	<u>IS</u>	<u>LS1</u>	<u>Total</u>
4. Demand Allocation Percentage	56.37%	4.82%	33.96%	1.76%	2.85%	0.24%	100.00%
5. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	15,261,979	1,304,998	9,194,550	476,514	771,627	64,979	<u>27,074,648</u>
6. Demand Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 6 (Allocation of D & E is based on the forecast period cost.)	<u>1,926,714</u>	<u>164,746</u>	<u>1,160,745</u>	<u>60,156</u>	<u>97,412</u>	<u>8,203</u>	<u>3,417,977</u>
7. Total Demand Related Incremental Costs	<u>17,188,693</u>	<u>1,469,745</u>	<u>10,355,295</u>	<u>536,670</u>	<u>869,040</u>	<u>73,182</u>	<u>30,492,625</u>
8. Energy Allocation Percentage	48.30%	4.92%	39.85%	2.06%	3.98%	0.89%	100.00%
9. Net Energy Related Incremental Costs	11,880,799	1,210,218	9,802,274	506,717	978,997	218,922	<u>24,597,927</u>
10. Energy Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 6 (Allocation of D & E is based on the forecast period cost.)	<u>1,055,483</u>	<u>107,515</u>	<u>870,828</u>	<u>45,016</u>	<u>86,974</u>	<u>19,449</u>	<u>2,185,264</u>
11. Total Net Energy Related Incremental Costs	<u>12,936,281</u>	<u>1,317,733</u>	<u>10,673,102</u>	<u>551,734</u>	<u>1,065,971</u>	<u>238,370</u>	<u>26,783,191</u>
12. Total Incremental Costs (Line 5 + 9)	27,142,778	2,515,216	18,996,824	983,231	1,750,625	283,901	51,672,575
13. Total True Up (Over)/Under Recovery (Line 6 + 10) (Schedule C-3, Pg 6, Line 11) (Allocation of D & E is based on the forecast period cost.)	<u>2,982,196</u>	<u>272,261</u>	<u>2,031,573</u>	<u>105,173</u>	<u>184,386</u>	<u>27,652</u>	<u>5,603,241</u>
14. Total (Line 12 + 13)	<u>30,124,974</u>	<u>2,787,478</u>	<u>21,028,397</u>	<u>1,088,404</u>	<u>1,935,011</u>	<u>311,553</u>	<u>57,275,816</u>
15. Retail MWH Sales	9,382,624	955,831	7,769,102	401,209	800,071	173,595	19,482,432
16. Effective MWH at Secondary	9,382,624	955,831	7,769,102	401,209	800,071	173,595	19,482,432
17. Projected Billed KW at Meter	*	*	18,062,791	*	2,059,387	*	
18. Cost per KWH at Secondary (Line 14/Line 16)	0.32107	0.29163	*	0.27128	*	0.17947	
19. Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20. Adjustment Factor Adjusted for Taxes	0.3213	0.2918	*	0.2715	*	0.1796	
21. Conservation Adjustment Factor (cents/KWH)							
<u>RS, GS, CS, GSD Optional and LS1 Rates (cents/KWH) *</u>							
- Secondary	<u>0.321</u>	<u>0.292</u>		<u>0.272</u>		<u>0.180</u>	
- Primary				<u>0.269</u>			
- Subtransmission				<u>0.267</u>			
<u>GSD, SBF, IS Standard Rates (\$/KW) *</u>							
<u>Full Requirement</u>							
- Secondary	*	*	<u>1.17</u>	*	<u>0.94</u>	*	
- Primary	*	*	<u>1.15</u>	*	<u>0.93</u>	*	
- Subtransmission	*	*	<u>1.14</u>	*	<u>0.92</u>	*	

*(ROUNDED TO NEAREST .001 PER KWH or KW)

TAMPA ELECTRIC COMPANY
Conservation Program Costs
Estimated For Months January 2019 through December 2019

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000359 Residential Walk-Through Energy Audit	198,535	165,139	162,239	184,389	211,255	168,979	177,874	177,186	175,918	174,832	163,871	197,838	2,158,055
12000353 - 12000355 Residential Customer Assisted Audit	5,636	930	930	930	930	930	395,930	930	930	930	930	930	410,866
12000357, 12000369 Residential Computer Assisted Audit	827	0	827	0	827	1,127	0	827	0	827	0	827	6,086
12000381 Residential Ceiling Insulation	22,579	23,279	23,029	23,079	26,434	26,401	27,697	26,434	22,332	20,020	20,020	20,020	281,324
12000391 Residential Duct Repair	17,709	17,309	17,959	30,731	30,731	15,627	15,577	15,577	16,627	34,194	15,627	12,216	239,884
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	267	0	267
12000375 Energy Education, Awareness and Agency Outreach	15,182	15,173	15,265	14,256	14,147	14,138	14,129	15,221	15,212	15,103	14,093	14,084	176,003
12004152 Energy Star Multi-Family	0	0	0	0	0	0	0	98,348	0	0	98,348	0	196,696
12000431 Energy Star for New Homes	130,610	130,610	130,610	132,173	130,610	130,610	130,610	130,610	133,410	131,310	131,410	130,610	1,573,183
12000349 Residential Heating and Cooling	40,758	40,308	41,008	40,308	51,089	54,661	58,233	54,661	52,106	43,912	40,308	41,103	558,455
12000425 Neighborhood Weatherization	494,087	495,244	493,876	497,301	493,876	493,801	493,876	493,801	494,471	494,396	494,471	494,396	5,933,596
12000433 Energy Planner	401,164	291,718	290,705	292,096	290,560	289,072	290,829	285,744	285,509	289,571	280,759	279,730	3,567,457
12000385 Residential Wall Insulation	141	0	141	0	141	0	141	0	174	0	141	0	879
12000367 Residential Window Replacement	62,608	62,158	62,858	62,158	62,158	62,158	62,158	62,158	62,608	62,158	62,158	62,158	747,496
12000351 Prime Time	2,929	2,929	2,929	2,929	2,929	2,929	2,929	2,929	2,929	2,929	2,929	2,929	35,148
12000363 Commercial/Industrial Audit (Free)	33,727	35,100	37,177	32,464	34,064	37,200	32,874	34,251	34,738	36,338	34,238	33,638	415,809
12000361 Comprehensive Commercial/Industrial Audit (Paid)	488	488	1,068	488	1,068	1,068	1,568	1,568	488	488	1,068	568	10,416
12000397 Commercial Ceiling Insulation	2,295	0	1,172	0	1,172	0	1,172	0	2,295	0	1,172	0	9,278
12000411 Commercial Chiller	3,747	0	3,747	3,747	3,747	3,747	0	3,747	3,747	3,747	0	0	29,976
12000371 Cogeneration	5,871	5,284	5,481	5,678	5,876	5,290	5,878	5,681	5,485	5,878	5,485	5,681	67,568
12000389 Conservation Value	841	81,867	841	841	841	841	0	0	0	0	0	51,867	137,939
12000443 Cool Roof	24,575	14,575	34,575	34,575	24,575	14,575	14,575	14,575	14,575	24,575	24,575	14,575	254,900
12000429 Commercial Cooling	467	0	0	467	0	0	467	467	0	0	0	437	2,305
12000409 Demand Response	334,683	331,815	331,815	334,683	331,815	331,815	333,183	332,815	333,315	333,183	331,815	331,815	3,992,752
12000377 Commercial Duct Repair	797	398	797	797	398	797	797	398	797	797	398	797	7,968
12000441 Commercial ECM	1,565	587	587	587	587	1,629	587	587	1,629	587	587	1,674	11,193
12000379 Industrial Load Management (GSLM 2&3)	1,405,176	1,405,177	1,405,178	1,405,180	1,405,181	1,405,183	1,405,183	1,405,183	1,405,183	1,405,183	1,405,183	1,405,183	16,862,173
12004386 LED Street and Outdoor Conversion Program	708,275	708,275	708,275	708,275	708,275	708,275	708,275	708,275	708,275	708,275	708,275	708,275	8,499,297
12000385 Lighting Conditioned Space	31,972	41,525	31,972	12,866	23,419	22,419	12,866	22,419	32,472	31,972	13,366	31,972	309,240
12003201 Lighting Non-Conditioned Space	18,598	22,419	18,598	18,598	23,419	12,866	12,866	22,419	19,098	12,866	13,366	18,598	213,711
12000413 Lighting Occupancy Sensors	1,648	96	96	872	1,648	872	872	1,648	872	872	96	872	10,464
12000383 CILM (GSLM 1)	513	512	512	1,509	1,508	1,507	1,507	1,505	1,504	1,503	504	503	13,087
12000415 Refrigeration Anti-condensate Control	1,748	0	0	0	0	0	1,748	0	0	0	0	0	3,496
12000387 Standby Generator	318,797	317,797	317,797	346,547	344,547	344,547	344,547	344,547	344,547	344,547	344,547	344,547	4,057,314
12003202 Thermal Energy Storage	137	137	137	41,384	779	137	81,976	779	137	878	81,976	137	208,594
12000399 Commercial Wall Insulation	0	0	0	0	0	2,221	0	0	0	0	0	0	2,221
12000417 Commercial Water Heating	2,196	0	0	0	2,196	0	0	0	0	0	0	2,196	6,588
12000427 Conservation Research and Development	2,197	0	0	0	2,197	0	0	0	0	0	0	2,197	6,591
12000393 Renewable Energy Program	(6,377)	(11,377)	(10,127)	(11,377)	100,623	(11,377)	(11,377)	(11,377)	(11,377)	(11,377)	(11,377)	(6,377)	(13,276)
12000347 Common Expenses	54,324	51,690	55,547	53,648	55,547	54,791	53,474	55,547	56,214	56,283	54,231	53,004	654,300
Total All Programs	4,341,024	4,251,162	4,187,620	4,272,179	4,389,168	4,198,835	4,673,021	4,309,459	4,216,220	4,226,776	4,334,837	4,258,999	51,659,299
Less Renewable Energy Expenses	(6,377)	(11,377)	(10,127)	(11,377)	100,623	(11,377)	(11,377)	(11,377)	(11,377)	(11,377)	(11,377)	(6,377)	(13,276)
Total Recoverable Conservation Expenses	4,347,401	4,262,539	4,197,747	4,283,556	4,288,545	4,210,212	4,684,398	4,320,836	4,227,597	4,238,153	4,346,214	4,265,376	51,672,575
Summary of Demand & Energy													
Energy	2,056,460	2,021,228	1,956,263	2,008,459	2,129,036	1,940,922	2,413,520	2,051,834	1,957,880	1,966,504	2,082,364	2,006,556	24,597,927
Demand	2,290,941	2,229,934	2,231,357	2,263,720	2,260,132	2,257,913	2,259,501	2,257,625	2,258,340	2,260,272	2,252,473	2,252,443	27,074,648
Total Recoverable Conserv. Expenses	4,347,401	4,251,162	4,187,620	4,272,179	4,389,168	4,198,835	4,673,021	4,309,459	4,216,220	4,226,776	4,334,837	4,258,999	51,672,575

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**DOCKET NO. 20180002-EG
ECCR 2019 PROJECTION
EXHIBIT MRR-2, SCHEDULE C-2, PAGE 2 OF 6**

TAMPA ELECTRIC COMPANY
Conservation Program Costs
Estimated For Months January 2019 through December 2019

Program Name	(A) Capital Investment	(B) Payroll & Benefits	(C) Materials & Supplies	(D) Outside Services	(E) Advertising	(F) Incentives	(G) Vehicles	(H) Other	(I) Program Revenues	(J) Total
12000369 Residential Walk-Through Energy Audit	0	1,496,432	6,000	0	501,082	0	122,800	31,741	0	2,158,055
12000363- 12000365 Residential Customer Assisted Audit	0	15,866	0	0	0	0	0	395,000	0	410,866
12000367, 12000368 Residential Computer Assisted Audit	0	5,936	0	0	0	0	0	300	(150)	6,086
12000381 Residential Ceiling Insulation	0	90,524	0	0	0	0	480	190,320	0	281,324
12000391 Residential Duct Repair	0	69,715	0	0	0	0	1,095	2,570	0	239,884
12000419 Residential Electronically Commutated Motors	0	47	0	105	0	115	0	0	0	267
12000375 Energy Education, Awareness and Agency Outreach	21,955	121,188	4,000	15,660	0	0	2,400	10,800	0	176,003
12004152 Energy Star Multi-Family	0	1,696	0	0	0	195,000	0	0	0	196,696
12000431 Energy Star for New Homes	0	36,780	0	0	1,563	1,530,000	300	4,540	0	1,573,183
12000349 Residential Heating and Cooling	0	82,600	0	0	0	472,500	120	3,235	0	558,455
12000425 Neighborhood Weatherization	0	355,522	349,560	1,050,000	0	4,166,924	6,000	5,690	0	5,933,596
12000433 Energy Planner	1,197,732	1,155,336	18,650	599,340	363,000	0	51,264	182,135	0	3,567,457
12000365 Residential Wall Insulation	0	219	0	0	0	660	0	0	0	879
12000367 Residential Window Replacement	0	63,216	0	0	0	682,200	240	1,840	0	747,496
12000351 Prime Time	0	16,248	0	18,000	0	0	0	900	0	35,148
12000363 Commercial/Industrial Audit (Free)	0	386,736	3,200	0	5,200	0	4,173	16,500	0	415,809
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	6,156	0	4,000	0	0	560	0	(300)	10,416
12000397 Commercial Ceiling Insulation	0	1,778	0	0	0	7,200	300	0	0	9,278
12000411 Commercial Chiller	0	1,776	0	0	0	28,000	200	0	0	29,976
12000371 Cogeneration	0	67,568	0	0	0	0	0	0	0	67,568
12000389 Conservation Value	0	3,970	0	3,794	0	130,000	175	0	0	137,939
12000443 Cool Roof	0	54,300	0	0	0	200,000	600	0	0	254,900
12000429 Commercial Cooling	0	1,080	0	0	0	1,100	125	0	0	2,305
12000409 Demand Response	0	26,952	0	0	0	3,960,000	300	5,500	0	3,992,752
12000377 Commercial Duct Repair	0	1,968	0	0	0	6,000	0	0	0	7,968
12000441 Commercial ECM	0	2,693	0	0	0	8,400	100	0	0	11,193
12000379 Industrial Load Management (GSLM 283)	0	37,873	0	0	0	16,824,000	300	0	0	16,862,173
12004386 LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	8,914,040	(414,743)	8,499,297
12000385 Lighting Conditioned Space	0	68,340	0	0	0	298,000	600	2,300	0	309,240
12003201 Lighting Non-Conditioned Space	0	57,811	0	0	0	153,000	600	2,300	0	213,711
12000413 Lighting Occupancy Sensors	0	2,064	0	0	0	8,400	0	0	0	10,464
12000383 GLM (GSLM 1)	2,518	816	0	2,760	0	6,993	0	0	0	13,087
12000415 Refrigeration Anti-condensate Control	0	446	0	0	0	3,000	50	0	0	3,496
12000387 Standby Generator	0	53,364	6,000	94,800	0	3,900,150	0	3,000	0	4,057,314
12003202 Thermal Energy Storage	0	5,235	0	2,960	0	200,000	300	99	0	208,594
12000399 Commercial Wall Insulation	0	171	0	0	0	2,000	50	0	0	2,221
12000417 Commercial Water Heating	0	513	0	0	0	6,000	75	0	0	6,588
12000427 Conservation Research and Development	0	516	0	0	0	0	0	6,075	0	6,591
12000393 Renewable Energy Program	0	22,980	0	122,000	0	0	0	1,250	(138,506)	(13,276)
12000347 Common Expenses	0	525,240	0	50,040	0	0	0	79,020	0	654,300
Total All Programs	<u>1,222,205</u>	<u>4,544,671</u>	<u>387,410</u>	<u>1,963,459</u>	<u>870,845</u>	<u>32,896,046</u>	<u>193,207</u>	<u>9,859,155</u>	<u>(574,699)</u>	<u>51,659,999</u>
Less Renewable Energy Expenses	<u>0</u>	<u>22,980</u>	<u>0</u>	<u>122,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,250</u>	<u>(138,506)</u>	<u>(13,276)</u>
Total Recoverable Conservation Expenses	<u>1,222,205</u>	<u>4,518,691</u>	<u>387,410</u>	<u>1,841,459</u>	<u>870,845</u>	<u>32,896,046</u>	<u>193,207</u>	<u>9,857,905</u>	<u>(415,193)</u>	<u>51,672,975</u>

Summary of Demand & Energy

Energy	620,821	3,842,892	372,085	1,401,209	689,345	8,204,903	166,975	9,714,890	(415,193)	24,597,927
Demand	601,384	975,799	15,325	440,250	181,500	24,691,143	26,232	143,015	0	27,074,648
Total All Programs	<u>1,222,205</u>	<u>4,818,691</u>	<u>387,410</u>	<u>1,841,459</u>	<u>870,845</u>	<u>32,896,046</u>	<u>193,207</u>	<u>9,857,905</u>	<u>(415,193)</u>	<u>51,672,975</u>

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2019 through December 2019

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		91,400	91,400	91,400	91,400	91,400	91,400	91,400	91,400	91,400	91,400	91,400	91,400	1,096,800
2. Retirements		159,812	169,050	135,859	148,364	142,669	146,144	165,277	181,969	223,428	183,174	183,702	119,667	1,959,114
3. Depreciation Base		5,509,595	5,431,945	5,387,486	5,330,522	5,279,253	5,224,509	5,150,632	5,060,063	4,928,035	4,836,261	4,743,959	4,715,692	
4. Depreciation Expense		<u>92,397</u>	<u>91,179</u>	<u>90,162</u>	<u>89,317</u>	<u>88,415</u>	<u>87,531</u>	<u>86,460</u>	<u>85,089</u>	<u>83,234</u>	<u>81,369</u>	<u>79,835</u>	<u>78,830</u>	<u>1,033,818</u>
5. Cumulative Investment	5,578,007	5,509,595	5,431,945	5,387,486	5,330,522	5,279,253	5,224,509	5,150,632	5,060,063	4,928,035	4,836,261	4,743,959	4,715,692	4,715,692
6. Less: Accumulated Depreciation	3,414,744	<u>3,347,329</u>	<u>3,269,458</u>	<u>3,223,761</u>	<u>3,164,714</u>	<u>3,110,460</u>	<u>3,051,847</u>	<u>2,973,030</u>	<u>2,876,150</u>	<u>2,735,956</u>	<u>2,634,151</u>	<u>2,530,284</u>	<u>2,489,447</u>	<u>2,489,447</u>
7. Net Investment	<u>2,163,263</u>	<u>2,162,266</u>	<u>2,162,487</u>	<u>2,163,725</u>	<u>2,165,808</u>	<u>2,168,793</u>	<u>2,172,662</u>	<u>2,177,602</u>	<u>2,183,913</u>	<u>2,192,079</u>	<u>2,202,110</u>	<u>2,213,675</u>	<u>2,226,245</u>	<u>2,226,245</u>
8. Average Investment		2,162,765	2,162,377	2,163,106	2,164,767	2,167,301	2,170,728	2,175,132	2,180,758	2,187,996	2,197,095	2,207,893	2,219,960	
9. Return on Average Investment - Equity Component		10,462	10,460	10,463	10,471	10,484	10,500	10,521	10,549	10,584	10,628	10,680	10,738	126,540
10. Return on Average Investment - Debt Component		<u>3,090</u>	<u>3,089</u>	<u>3,090</u>	<u>3,093</u>	<u>3,096</u>	<u>3,101</u>	<u>3,108</u>	<u>3,116</u>	<u>3,126</u>	<u>3,139</u>	<u>3,154</u>	<u>3,172</u>	<u>37,374</u>
11. Total Depreciation and Return		<u>105,949</u>	<u>104,728</u>	<u>103,715</u>	<u>102,881</u>	<u>101,995</u>	<u>101,132</u>	<u>100,089</u>	<u>98,754</u>	<u>96,944</u>	<u>95,136</u>	<u>93,669</u>	<u>92,740</u>	<u>1,197,732</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2019 through December 2019

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
4. Depreciation Expense		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
11. Total Depreciation and Return		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2019 through December 2019

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>16,872</u>
5. Cumulative Investment	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	8,357	<u>9,763</u>	<u>11,169</u>	<u>12,575</u>	<u>13,981</u>	<u>15,387</u>	<u>16,793</u>	<u>18,199</u>	<u>19,605</u>	<u>21,011</u>	<u>22,417</u>	<u>23,823</u>	<u>25,229</u>	<u>25,229</u>
7. Net Investment	<u>76,007</u>	<u>74,601</u>	<u>73,195</u>	<u>71,789</u>	<u>70,383</u>	<u>68,977</u>	<u>67,571</u>	<u>66,165</u>	<u>64,759</u>	<u>63,353</u>	<u>61,947</u>	<u>60,541</u>	<u>59,135</u>	<u>59,135</u>
8. Average Investment		75,304	73,898	72,492	71,086	69,680	68,274	66,868	65,462	64,056	62,650	61,244	59,838	
9. Return on Average Investment - Equity Component		364	357	351	344	337	330	323	317	310	303	296	289	3,921
10. Return on Average Investment - Debt Component		<u>108</u>	<u>106</u>	<u>104</u>	<u>102</u>	<u>100</u>	<u>98</u>	<u>96</u>	<u>94</u>	<u>92</u>	<u>90</u>	<u>87</u>	<u>85</u>	<u>1,162</u>
11. Total Depreciation and Return		<u>1,878</u>	<u>1,869</u>	<u>1,861</u>	<u>1,852</u>	<u>1,843</u>	<u>1,834</u>	<u>1,825</u>	<u>1,817</u>	<u>1,808</u>	<u>1,799</u>	<u>1,789</u>	<u>1,780</u>	<u>21,955</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2019 through December 2019

COMMERCIAL LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	
4. Depreciation Expense		<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>158</u>	<u>1,896</u>
5. Cumulative Investment	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452	9,452
6. Less: Accumulated Depreciation	237	<u>395</u>	<u>553</u>	<u>711</u>	<u>869</u>	<u>1,027</u>	<u>1,185</u>	<u>1,343</u>	<u>1,501</u>	<u>1,659</u>	<u>1,817</u>	<u>1,975</u>	<u>2,133</u>	<u>2,133</u>
7. Net Investment	<u>9,215</u>	<u>9,057</u>	<u>8,899</u>	<u>8,741</u>	<u>8,583</u>	<u>8,425</u>	<u>8,267</u>	<u>8,109</u>	<u>7,951</u>	<u>7,793</u>	<u>7,635</u>	<u>7,477</u>	<u>7,319</u>	<u>7,319</u>
8. Average Investment		9,136	8,978	8,820	8,662	8,504	8,346	8,188	8,030	7,872	7,714	7,556	7,398	
9. Return on Average Investment - Equity Component		44	43	43	42	41	40	40	39	38	37	37	36	480
10. Return on Average Investment - Debt Component		<u>13</u>	<u>13</u>	<u>13</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>142</u>
11. Total Depreciation and Return		<u>215</u>	<u>214</u>	<u>214</u>	<u>212</u>	<u>211</u>	<u>210</u>	<u>210</u>	<u>208</u>	<u>207</u>	<u>206</u>	<u>206</u>	<u>205</u>	<u>2,518</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2018 through June 2018
 Projected for Months July 2018 through December 2018

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
2	12000359 Residential Walk-Through Energy Audit	0	614,483	1,847	390	196,387	0	36,791	10,959	0	860,857
3	Actual	0	746,834	2,500	0	295,707	0	61,200	19,406	0	1,125,647
4	Projected	0	1,361,317	4,347	390	492,094	0	97,991	30,365	0	1,986,504
4	Total	0	1,361,317	4,347	390	492,094	0	97,991	30,365	0	1,986,504
2	12000353-12000355 Residential Customer Assisted Audit	0	69,504	17,695	169,117	0	0	0	213	0	256,529
3	Actual	0	25,882	0	468,000	0	0	0	0	0	493,882
4	Projected	0	95,386	17,695	637,117	0	0	0	213	0	750,411
4	Total	0	95,386	17,695	637,117	0	0	0	213	0	750,411
2	12000357, 12000369 Residential Computer Assisted Audit	0	1,236	0	0	0	0	0	0	0	1,236
3	Actual	0	1,642	0	0	0	0	0	0	(105)	1,537
4	Projected	0	2,878	0	0	0	0	0	0	(105)	2,773
4	Total	0	2,878	0	0	0	0	0	0	(105)	2,773
6	12000381 Residential Ceiling Insulation	0	41,417	197	0	0	72,819	858	1,685	0	116,976
7	Actual	0	44,142	200	0	0	90,000	300	1,210	0	135,852
8	Projected	0	85,559	397	0	0	162,819	1,158	2,895	0	252,828
8	Total	0	85,559	397	0	0	162,819	1,158	2,895	0	252,828
10	12000391 Residential Duct Repair	0	28,259	197	0	0	169,984	1,082	1,504	0	201,026
11	Actual	0	33,711	200	0	0	106,875	300	1,310	0	142,396
12	Projected	0	61,970	397	0	0	276,859	1,382	2,814	0	343,422
12	Total	0	61,970	397	0	0	276,859	1,382	2,814	0	343,422
14	12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0
15	Actual	0	7	0	105	0	115	0	0	0	227
16	Projected	0	7	0	105	0	115	0	0	0	227
16	Total	0	7	0	105	0	115	0	0	0	227
18	12000375 Energy Education, Awareness and Agency Outreach	2,853	15,217	1,448	80,280	0	0	535	8,017	0	108,350
19	Actual	7,936	39,670	2,200	1,344	0	0	600	6,180	0	58,130
20	Projected	10,789	55,087	3,648	81,624	0	0	1,135	14,197	0	166,480
20	Total	10,789	55,087	3,648	81,624	0	0	1,135	14,197	0	166,480
12004152	Energy Star Multi-Family	0	0	0	0	782	0	35	273	0	1,090
Actual	0	848	0	0	0	97,500	0	0	0	0	98,348
Projected	0	848	0	0	782	97,500	35	273	0	0	99,438
Total	0	848	0	0	782	97,500	35	273	0	0	99,438
22	12000431 Energy Star for New Homes	0	15,942	0	0	782	430,100	61	883	0	447,768
23	Actual	0	18,071	0	0	0	433,500	180	2,720	0	452,471
24	Projected	0	32,013	0	0	782	863,600	241	3,603	0	900,239
24	Total	0	32,013	0	0	782	863,600	241	3,603	0	900,239
26	12000349 Residential Heating and Cooling	0	42,519	0	0	0	216,945	45	1,876	0	261,385
27	Actual	0	42,258	0	0	0	222,750	150	2,265	0	267,423
28	Projected	0	84,777	0	0	0	439,695	195	4,141	0	528,808
28	Total	0	84,777	0	0	0	439,695	195	4,141	0	528,808
30	12000425 Neighborhood Weatherization	0	94,048	142,356	359,375	0	1,364,417	4,599	186	0	1,964,981
31	Actual	0	153,648	157,530	442,125	0	2,123,888	600	1,020	0	2,878,811
32	Projected	0	247,696	299,886	801,500	0	3,488,305	5,199	1,206	0	4,843,792
32	Total	0	247,696	299,886	801,500	0	3,488,305	5,199	1,206	0	4,843,792
34	12000433 Energy Planner	674,312	460,619	112,732	305,683	148,426	0	25,512	54,108	0	1,781,392
35	Actual	653,997	468,276	7,175	244,936	260,707	0	25,632	92,753	0	1,753,476
36	Projected	1,328,309	928,895	119,907	550,619	409,133	0	51,144	146,861	0	3,534,868
36	Total	1,328,309	928,895	119,907	550,619	409,133	0	51,144	146,861	0	3,534,868
38	12000365 Residential Wall Insulation	0	0	0	0	0	0	0	0	0	0
39	Actual	0	124	0	0	0	330	0	0	0	454
40	Projected	0	124	0	0	0	330	0	0	0	454
40	Total	0	124	0	0	0	330	0	0	0	454
42	12000367 Residential Window Replacement	0	48,824	0	0	0	328,724	100	1,271	0	378,919
43	Actual	0	29,073	0	0	0	293,725	120	570	0	323,488
44	Projected	0	77,897	0	0	0	622,449	220	1,841	0	702,407
44	Total	0	77,897	0	0	0	622,449	220	1,841	0	702,407
54	12000351 Prime Time	0	3,632	0	4,389	0	0	0	0	0	8,021
55	Actual	0	7,758	0	9,000	0	0	0	450	0	17,208
56	Projected	0	11,390	0	13,389	0	0	0	450	0	25,229
56	Total	0	11,390	0	13,389	0	0	0	450	0	25,229
54	12000363 Commercial/Industrial Audit (Free)	0	126,158	770	0	0	0	743	3,173	0	130,844
55	Actual	0	205,266	1,000	0	2,600	0	5,460	3,300	0	217,626
56	Projected	0	331,424	1,770	0	2,600	0	6,203	6,473	0	348,470
56	Total	0	331,424	1,770	0	2,600	0	6,203	6,473	0	348,470
54	12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	688	0	0	0	0	37	0	0	725
55	Actual	0	1,368	0	1,000	0	0	80	0	(200)	2,248
56	Projected	0	2,056	0	1,000	0	0	117	0	(200)	2,973
56	Total	0	2,056	0	1,000	0	0	117	0	(200)	2,973
58	12000397 Commercial Ceiling Insulation	0	3,834	0	0	0	3,657	55	0	0	7,546
59	Actual	0	444	0	0	0	1,800	100	0	0	2,344
60	Projected	0	4,278	0	0	0	5,457	155	0	0	9,890
60	Total	0	4,278	0	0	0	5,457	155	0	0	9,890
62	12000411 Commercial Chiller	0	241	0	0	0	0	0	0	0	241
63	Actual	0	615	0	0	0	10,500	100	0	0	11,215
64	Projected	0	856	0	0	0	10,500	100	0	0	11,456
64	Total	0	856	0	0	0	10,500	100	0	0	11,456
66	12000371 Cogeneration	0	31,721	0	0	0	0	29	0	0	31,750
67	Actual	0	33,144	0	0	0	0	0	0	0	33,144
68	Projected	0	64,865	0	0	0	0	29	0	0	64,894
68	Total	0	64,865	0	0	0	0	29	0	0	64,894
70	12000389 Conservation Value	0	0	0	0	0	0	0	0	0	0
71	Actual	0	2,670	0	542	0	50,000	25	0	0	53,237
72	Projected	0	2,670	0	542	0	50,000	25	0	0	53,237
72	Total	0	2,670	0	542	0	50,000	25	0	0	53,237
74	12000443 Cool Roof	0	12,284	0	0	0	89,413	49	4	0	101,750
74	Actual	0	12,284	0	0	0	89,413	49	4	0	101,750

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
75	Projected	0	10,280	0	0	0	80,000	300	0	0	90,580
76	Total	0	22,564	0	0	0	169,413	349	4	0	192,330
12000429 Commercial Cooling											
78	Actual	0	536	0	0	0	4,532	0	0	0	5,068
79	Projected	0	593	0	0	0	480	75	0	0	1,148
80	Total	0	1,129	0	0	0	5,012	75	0	0	6,216
12000409 Demand Response											
82	Actual	0	12,196	0	0	0	1,604,116	14	781	0	1,617,107
83	Projected	0	10,740	0	0	0	1,980,000	300	3,000	0	1,994,040
84	Total	0	22,936	0	0	0	3,584,116	314	3,781	0	3,611,147
12000377 Commercial Duct Repair											
86	Actual	0	92	0	0	0	750	2	0	0	844
87	Projected	0	915	0	0	0	1,500	0	0	0	2,415
88	Total	0	1,007	0	0	0	2,250	2	0	0	3,259
12000441 Commercial ECM											
90	Actual	0	0	0	0	0	0	0	0	0	0
91	Projected	0	1,770	0	0	0	4,200	60	0	0	6,030
92	Total	0	1,770	0	0	0	4,200	60	0	0	6,030
12000379 Industrial Load Management (GSLM 2&3)											
94	Actual	5,355	14,322	0	0	0	8,646,029	200	0	0	8,665,906
95	Projected	235	16,416	0	0	0	8,412,000	0	0	0	8,428,651
96	Total	5,590	30,738	0	0	0	17,058,029	200	0	0	17,094,557
12004386 LED Street and Outdoor Conversion Program											
98	Actual	0	0	0	0	0	0	0	1,719,995	(59,192)	1,660,803
99	Projected	0	0	0	0	0	0	0	4,642,310	(197,396)	4,444,914
100	Total	0	0	0	0	0	0	0	6,362,305	(256,588)	6,105,717
12000385 Lighting Conditioned Space											
98	Actual	0	39,175	0	0	0	211,068	667	1,566	0	252,476
99	Projected	0	56,523	0	0	0	501,000	300	650	0	558,473
100	Total	0	95,698	0	0	0	712,068	967	2,216	0	810,949
12003201 Lighting Non-Conditioned Space											
102	Actual	0	26,283	0	0	0	94,816	159	785	0	122,043
103	Projected	0	28,033	0	0	0	61,200	0	500	0	89,733
104	Total	0	54,316	0	0	0	156,016	159	1,285	0	211,776
12000413 Lighting Occupancy Sensors											
106	Actual	0	115	0	0	0	13,220	0	0	0	13,335
107	Projected	0	1,032	0	0	0	4,200	150	0	0	5,382
108	Total	0	1,147	0	0	0	17,420	150	0	0	18,717
12000383 CILM (GSLM 1)											
110	Actual	0	0	0	0	0	2,997	0	0	0	2,997
111	Projected	325	21,339	0	39,050	0	3,996	0	0	0	64,710
112	Total	325	21,339	0	39,050	0	6,993	0	0	0	67,707
12000415 Refrigeration Anti-condensate Control											
114	Actual	0	0	0	54	0	0	0	205	0	259
115	Projected	0	192	0	0	0	1,500	25	0	0	1,717
116	Total	0	192	0	54	0	1,500	25	205	0	1,976
12000387 Standby Generator											
118	Actual	0	48,040	6,420	180,364	0	1,651,102	48	1,659	0	1,887,633
119	Projected	0	41,851	42,857	129,500	0	1,749,450	180	1,500	0	1,965,338
120	Total	0	89,891	49,277	309,864	0	3,400,552	228	3,159	0	3,852,971
12003202 Thermal Energy Storage											
122	Actual	0	0	0	0	0	0	0	0	0	0
123	Projected	0	3,530	0	0	0	160,000	200	0	0	163,730
124	Total	0	3,530	0	0	0	160,000	200	0	0	163,730
12000399 Commercial Wall Insulation											
126	Actual	0	0	0	0	0	0	0	0	0	0
127	Projected	0	0	0	0	0	0	0	0	0	0
128	Total	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating											
130	Actual	0	0	0	98	0	0	0	673	0	771
131	Projected	0	171	0	0	0	2,000	25	0	0	2,196
132	Total	0	171	0	98	0	2,000	25	673	0	2,967
12000427 Conservation Research and Development											
134	Actual	0	724	0	0	0	0	27	0	0	751
135	Projected	0	369	0	0	0	0	0	0	0	369
136	Total	0	1,093	0	0	0	0	27	0	0	1,120
12000393 Renewable Energy Program											
138	Actual	0	4,638	0	5,705	0	0	0	893	(70,170)	(58,934)
139	Projected	0	9,030	0	262,000	0	0	0	0	(84,779)	186,251
140	Total	0	13,668	0	267,705	0	0	0	893	(154,949)	127,317
12000347 Common Expenses											
142	Actual	0	188,910	(37)	52,122	0	0	1,164	66,032	0	308,191
143	Projected	0	186,133	0	47,588	0	0	0	38,862	0	272,583
144	Total	0	375,043	(37)	99,710	0	0	1,164	104,894	0	580,774
137	Total All Programs	1,345,013	4,188,225	497,287	2,802,767	905,391	31,297,198	169,274	6,694,747	(411,842)	47,488,060

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		40,587	60,384	57,762	35,531	78,973	28,407	91,400	91,400	91,400	91,400	91,400	91,400	850,045
2. Retirements		10,220	8,662	12,241	124,686	185,690	(3,893)	154,253	(26,740)	47,210	359,306	164,738	65,788	1,102,161
3. Depreciation Base		5,860,491	5,912,213	5,957,734	5,868,579	5,761,862	5,794,162	5,731,309	5,849,449	5,893,639	5,625,733	5,552,395	5,578,007	
4. Depreciation Expense		<u>97,422</u>	<u>98,106</u>	<u>98,916</u>	<u>98,553</u>	<u>96,920</u>	<u>96,300</u>	<u>96,046</u>	<u>96,506</u>	<u>97,859</u>	<u>95,995</u>	<u>93,151</u>	<u>92,753</u>	<u>1,158,527</u>
5. Cumulative Investment	5,830,124	5,860,491	5,912,213	5,957,734	5,868,579	5,761,862	5,794,162	5,731,309	5,849,449	5,893,639	5,625,733	5,552,395	5,578,007	5,578,007
6. Less: Accumulated Depreciation	3,358,378	<u>3,445,580</u>	<u>3,535,024</u>	<u>3,621,699</u>	<u>3,595,566</u>	<u>3,506,796</u>	<u>3,606,989</u>	<u>3,548,782</u>	<u>3,672,028</u>	<u>3,722,677</u>	<u>3,459,366</u>	<u>3,387,779</u>	<u>3,414,744</u>	<u>3,414,744</u>
7. Net Investment	<u>2,471,746</u>	<u>2,414,911</u>	<u>2,377,189</u>	<u>2,336,035</u>	<u>2,273,013</u>	<u>2,255,066</u>	<u>2,187,173</u>	<u>2,182,527</u>	<u>2,177,421</u>	<u>2,170,962</u>	<u>2,166,367</u>	<u>2,164,616</u>	<u>2,163,263</u>	<u>2,163,263</u>
8. Average Investment		2,443,328	2,396,050	2,356,612	2,304,524	2,264,040	2,221,120	2,184,850	2,179,974	2,174,192	2,168,665	2,165,492	2,163,940	
9. Return on Average Investment - Equity Component		11,734	11,507	11,317	11,067	10,873	10,667	10,568	10,545	10,517	10,490	10,475	10,467	130,227
10. Return on Average Investment - Debt Component		<u>3,657</u>	<u>3,586</u>	<u>3,527</u>	<u>3,449</u>	<u>3,388</u>	<u>3,324</u>	3,121	3,114	3,106	3,098	3,094	3,092	<u>39,556</u>
Total Depreciation and Return		<u>112,813</u>	<u>113,199</u>	<u>113,760</u>	<u>113,069</u>	<u>111,181</u>	<u>110,291</u>	<u>109,735</u>	<u>110,165</u>	<u>111,482</u>	<u>109,583</u>	<u>106,720</u>	<u>106,312</u>	<u>1,328,310</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.7628% x 1/12 (Jan-Jun). Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7959% x 1/12 (Jan-Jun). Line 10 x 1.7144% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	561	29,782	23,169	1,513	101	0	0	0	55,126
3. Depreciation Base		55,126	55,126	55,126	55,126	54,565	24,783	1,614	101	0	0	0	0	
4. Depreciation Expense		<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>914</u>	<u>661</u>	<u>220</u>	<u>14</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,485</u>
5. Cumulative Investment	55,126	55,126	55,126	55,126	55,126	54,565	24,783	1,614	101	0	0	0	0	0
6. Less: Accumulated Depreciation	49,641	<u>50,560</u>	<u>51,479</u>	<u>52,398</u>	<u>53,317</u>	<u>53,670</u>	<u>24,549</u>	<u>1,600</u>	<u>101</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>5,485</u>	<u>4,566</u>	<u>3,647</u>	<u>2,728</u>	<u>1,809</u>	<u>895</u>	<u>234</u>	<u>14</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		5,026	4,107	3,188	2,269	1,352	565	124	7	0	0	0	0	
9. Return on Average Investment - Equity Component		24	20	15	11	6	3	1	0	0	0	0	0	80
10. Return on Average Investment - Debt Component		<u>8</u>	<u>6</u>	<u>5</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>25</u>
Total Depreciation and Return		<u>951</u>	<u>945</u>	<u>939</u>	<u>933</u>	<u>922</u>	<u>665</u>	<u>221</u>	<u>14</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,590</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.7628% x 1/12 (Jan-Jun). Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7959% x 1/12 (Jan-Jun). Line 10 x 1.7144% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		(12,523)	13,325	0	0	0	0	0	0	61,000	0	0	0	61,801
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		10,039	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		<u>272</u>	<u>278</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>898</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>8,000</u>
5. Cumulative Investment	22,562	10,039	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	355	<u>627</u>	<u>905</u>	<u>1,294</u>	<u>1,683</u>	<u>2,072</u>	<u>2,463</u>	<u>2,852</u>	<u>3,241</u>	<u>4,139</u>	<u>5,545</u>	<u>6,951</u>	<u>8,357</u>	<u>8,357</u>
7. Net Investment	<u>22,207</u>	<u>9,412</u>	<u>22,459</u>	<u>22,070</u>	<u>21,681</u>	<u>21,292</u>	<u>20,901</u>	<u>20,512</u>	<u>20,123</u>	<u>80,225</u>	<u>78,819</u>	<u>77,413</u>	<u>76,007</u>	<u>76,007</u>
8. Average Investment		15,810	15,936	22,265	21,876	21,487	21,097	20,707	20,318	50,174	79,522	78,116	76,710	
9. Return on Average Investment - Equity Component		76	77	107	105	103	101	100	98	243	385	378	371	2,144
10. Return on Average Investment - Debt Component		<u>24</u>	<u>24</u>	<u>33</u>	<u>33</u>	<u>32</u>	<u>32</u>	30	29	72	114	112	110	<u>645</u>
Total Depreciation and Return		<u>372</u>	<u>379</u>	<u>529</u>	<u>527</u>	<u>524</u>	<u>522</u>	<u>519</u>	<u>516</u>	<u>1,213</u>	<u>1,905</u>	<u>1,896</u>	<u>1,887</u>	<u>10,789</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.7628% x 1/12 (Jan-Jun). Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7959% x 1/12 (Jan-Jun). Line 10 x 1.7144% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

COMMERCIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	9,452	0	9,452
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		0	0	0	0	0	0	0	0	0	0	9,452	9,452	
4. Depreciation Expense		0	0	0	0	0	0	0	0	0	0	79	158	237
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	9,452	9,452	9,452
6. Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	79	237	237
7. Net Investment	0	0	0	0	0	0	0	0	0	0	0	9,373	9,215	9,215
8. Average Investment		0	0	0	0	0	0	0	0	0	0	4,687	9,294	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	23	45	68
10. Return on Average Investment - Debt Component		0	0	0	0	0	0	0	0	0	0	7	13	20
Total Depreciation and Return		0	0	0	0	0	0	0	0	0	0	109	216	325

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.7628% x 1/12 (Jan-Jun). Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7959% x 1/12 (Jan-Jun). Line 10 x 1.7144% x 1/12 (Jul-Dec).

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
12000359 Residential Walk-Through Energy Audit	83,719	115,836	213,237	105,946	171,940	170,180	246,470	243,282	151,029	160,142	150,370	174,354	1,986,504
12000353-12000355 Residential Customer Assisted Audit	5,948	2,520	20,291	88,298	79,503	59,969	82,411	403,810	2,018	1,881	1,881	1,881	750,411
12000357, 12000369 Residential Computer Assisted Audit	0	0	35	27	783	390	0	0	769	769	0	0	2,773
12000381 Residential Ceiling Insulation	13,450	14,726	25,452	24,722	18,380	20,246	22,493	22,643	23,543	22,436	22,422	22,315	252,828
12000391 Residential Duct Repair	20,395	28,931	47,359	26,893	44,461	32,988	59,252	18,317	19,098	18,048	18,117	9,564	343,422
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	227	0	227
12000375 Energy Education, Awareness and Agency Outreach	4,125	3,040	7,470	17,583	9,688	66,443	8,518	9,515	10,012	10,704	9,695	9,686	166,480
12004152 Energy Star Multi-Family	0	1,563	(473)	0	0	0	0	0	0	0	98,348	0	99,438
12000431 Energy Star for New Homes	130,107	63,669	74,164	61,930	62,568	55,330	79,252	79,252	71,905	71,305	80,052	70,705	900,239
12000349 Residential Heating and Cooling	40,334	34,957	48,954	36,989	54,273	45,878	44,765	44,765	44,987	44,837	43,937	44,132	528,808
12000425 Neighborhood Weatherization	246,563	378,841	526,086	271,269	296,405	245,817	483,842	483,842	484,438	484,438	484,438	457,813	4,843,792
12000433 Energy Planner	325,412	346,225	340,099	238,957	292,975	237,723	350,987	348,142	256,974	276,544	266,625	254,204	3,534,868
12000365 Residential Wall Insulation	0	0	0	0	0	0	125	125	157	0	0	47	454
12000367 Residential Window Replacement	69,237	173,516	(52,533)	63,923	64,467	60,310	62,024	52,211	52,661	52,211	52,211	52,170	702,407
12000351 Prime Time	774	3,177	512	2,533	705	320	2,868	2,868	2,868	2,868	2,868	2,868	25,229
12000363 Commercial/Industrial Audit (Free)	17,143	24,325	30,035	18,855	20,421	20,065	34,916	36,016	36,916	37,926	35,326	36,526	348,470
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	0	688	37	0	0	1,084	1,164	0	0	0	0	2,973
12000397 Commercial Ceiling Insulation	967	316	1,753	1,537	1,553	1,420	1,172	0	1,172	0	0	0	9,890
12000411 Commercial Chiller	0	241	0	0	0	0	0	3,730	3,730	3,730	0	25	11,456
12000371 Cogeneration	4,558	6,036	6,917	5,146	4,566	4,526	5,556	5,746	5,175	5,746	5,556	5,365	64,894
12000389 Conservation Value	0	0	0	0	0	0	274	274	274	274	274	274	51,867
12000443 Cool Roof	12,856	1,344	62,359	1,514	3,484	20,193	11,696	11,696	11,696	21,898	21,898	11,696	192,330
12000429 Commercial Cooling	4,719	349	0	0	0	0	377	377	0	0	0	394	6,216
12000409 Demand Response	308,956	4,857	2,044	970,066	330,608	577	331,840	331,840	331,840	331,840	334,840	331,840	3,611,147
12000377 Commercial Duct Repair	542	0	0	0	300	2	0	483	483	483	483	483	3,259
12000441 Commercial ECM	0	0	0	0	0	0	725	725	1,565	725	725	1,565	6,030
12000379 Industrial Load Management (GSLM 2&3)	1,389,078	1,426,524	1,362,392	1,410,209	1,489,431	1,588,273	1,404,957	1,404,750	1,404,736	1,404,736	1,404,736	1,404,736	17,094,557
12004386 LED Street and Outdoor Conversion Program	0	0	78,853	59,496	43,848	1,478,606	740,819	740,819	740,819	740,819	740,819	740,819	6,105,717
12000385 Lighting Conditioned Space	10,050	8,926	38,688	57,975	36,949	99,888	163,572	163,572	164,072	22,419	22,419	22,419	810,949
12003201 Lighting Non-Conditioned Space	17,030	12,839	16,552	32,931	9,564	33,126	15,448	15,645	15,948	14,362	14,165	14,165	211,776
12000413 Lighting Occupancy Sensors	0	0	0	12,242	0	1,093	897	1,673	897	897	121	897	18,717
12000383 CILM (GSLM 1)	0	0	0	999	999	999	999	999	26,452	2,069	32,905	1,286	67,707
12000415 Refrigeration Anti-condensate Control	0	0	0	0	193	66	1,717	0	0	0	0	0	1,976
12000387 Standby Generator	385,555	168,401	401,814	281,137	274,803	375,923	292,348	300,248	330,248	356,998	358,498	326,998	3,852,971
12003202 Thermal Energy Storage	0	0	0	0	0	0	81,445	283	137	283	81,445	137	163,730
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	0	0	0	315	456	0	0	0	0	0	2,196	2,967
12000427 Conservation Research and Development	423	0	121	181	27	0	0	123	0	123	0	123	1,120
12000393 Renewable Energy Program	(11,040)	(14,095)	(5,496)	(8,868)	(8,040)	(11,395)	(12,625)	(12,625)	227,375	375	(12,625)	(3,625)	127,317
12000347 Common Expenses	53,814	51,182	75,767	36,562	57,740	33,127	63,197	42,081	43,219	42,650	41,150	40,286	580,774
Total	3,134,716	2,858,246	3,323,141	3,819,087	3,362,907	4,642,538	4,583,421	4,758,391	4,467,213	4,134,536	4,313,926	4,089,937	47,488,060
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conservation Expenses	<u>3,134,716</u>	<u>2,858,246</u>	<u>3,323,141</u>	<u>3,819,087</u>	<u>3,362,907</u>	<u>4,642,538</u>	<u>4,583,421</u>	<u>4,758,391</u>	<u>4,467,213</u>	<u>4,134,536</u>	<u>4,313,926</u>	<u>4,089,937</u>	<u>47,488,060</u>
Less Renewable Energy	(11,040)	(14,095)	(5,496)	(8,868)	(8,040)	(11,395)	(12,625)	(12,625)	227,375	375	(12,625)	(3,625)	127,317
Total Conservation Expenses	<u>3,145,756</u>	<u>2,872,341</u>	<u>3,328,637</u>	<u>3,827,955</u>	<u>3,370,947</u>	<u>4,653,933</u>	<u>4,596,046</u>	<u>4,771,016</u>	<u>4,239,838</u>	<u>4,134,161</u>	<u>4,326,551</u>	<u>4,093,562</u>	<u>47,360,743</u>

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

B. CONSERVATION REVENUES	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Conservation Audit Fees (A)	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Conservation Adjustment Revenues * (C-4, page 1 of 1)	<u>3,397,627</u>	<u>3,137,210</u>	<u>3,024,337</u>	<u>3,002,129</u>	<u>3,197,275</u>	<u>3,697,227</u>	<u>4,231,412</u>	<u>4,210,697</u>	<u>4,315,564</u>	<u>3,838,584</u>	<u>3,224,351</u>	<u>3,184,303</u>	<u>42,460,716</u>
3. Total Revenues	3,397,627	3,137,210	3,024,337	3,002,129	3,197,275	3,697,227	4,231,412	4,210,697	4,315,564	3,838,584	3,224,351	3,184,303	42,460,716
4. Prior Period True-up	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,762)</u>	<u>(2,997,111)</u>
5. Conservation Revenue Applicable to Period	3,147,868	2,887,451	2,774,578	2,752,370	2,947,516	3,447,468	3,981,653	3,960,938	4,065,805	3,588,825	2,974,592	2,934,541	39,463,605
6. Conservation Expenses (C-3, Page 4, Line 14)	<u>3,145,756</u>	<u>2,872,341</u>	<u>3,328,637</u>	<u>3,827,954</u>	<u>3,370,947</u>	<u>4,653,934</u>	<u>4,596,046</u>	<u>4,771,016</u>	<u>4,239,838</u>	<u>4,134,161</u>	<u>4,326,551</u>	<u>4,093,562</u>	<u>47,360,742</u>
7. True-up This Period (Line 5 - Line 6)	2,112	15,110	(554,059)	(1,075,584)	(423,431)	(1,206,466)	(614,393)	(810,078)	(174,033)	(545,336)	(1,351,959)	(1,159,021)	(7,897,137)
8. Interest Provision This Period (C-3, Page 6, Line 10)	(665)	(340)	(414)	(1,320)	(2,096)	(3,071)	(4,779)	(6,223)	(6,730)	(7,344)	(9,275)	(11,558)	(53,815)
9. True-up & Interest Provision Beginning of Period	(649,400)	(398,194)	(133,665)	(438,379)	(1,265,524)	(1,441,292)	(2,401,070)	(2,770,483)	(3,337,025)	(3,268,029)	(3,570,950)	(4,682,425)	(649,400)
10. Prior Period True-up Collected/(Refunded)	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,762</u>	<u>2,997,111</u>
11. End of Period Total - Over/(Under) Recovered	<u>(398,194)</u>	<u>(133,665)</u>	<u>(438,379)</u>	<u>(1,265,524)</u>	<u>(1,441,292)</u>	<u>(2,401,070)</u>	<u>(2,770,483)</u>	<u>(3,337,025)</u>	<u>(3,268,029)</u>	<u>(3,570,950)</u>	<u>(4,682,425)</u>	<u>(5,603,242)</u>	<u>(5,603,241)</u>

Previous EOP Change
* Net of Revenue Taxes

(A) Included in Line 6

Summary of Allocation	Forecast	Ratio	True Up
Demand	24,497,953	0.61	(3,417,977)
Energy	<u>15,814,822</u>	<u>0.39</u>	<u>(2,185,264)</u>
Total	<u>40,312,775</u>	<u>1.00</u>	<u>(5,603,241)</u>

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of Interest Provision

Actual for Months January 2018 through June 2018
Projected for Months July 2018 through December 2018

C. INTEREST PROVISION	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Beginning True-up Amount (C-3, Page 5, Line 9)	(\$649,400)	(\$398,194)	(\$133,665)	(\$438,379)	(\$1,265,524)	(\$1,441,292)	(\$2,401,070)	(\$2,770,483)	(\$3,337,025)	(\$3,268,029)	(\$3,570,950)	(\$4,682,425)	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	<u>(397,529)</u>	<u>(133,325)</u>	<u>(437,965)</u>	<u>(1,264,204)</u>	<u>(1,439,196)</u>	<u>(2,397,999)</u>	<u>(2,765,704)</u>	<u>(3,330,802)</u>	<u>(3,261,299)</u>	<u>(3,563,606)</u>	<u>(4,673,150)</u>	<u>(5,591,684)</u>	
3. Total Beginning & Ending True-up	<u>(\$1,046,929)</u>	<u>(\$531,519)</u>	<u>(\$571,630)</u>	<u>(\$1,702,583)</u>	<u>(\$2,704,720)</u>	<u>(\$3,839,291)</u>	<u>(\$5,166,774)</u>	<u>(\$6,101,285)</u>	<u>(\$6,598,324)</u>	<u>(\$6,831,635)</u>	<u>(\$8,244,100)</u>	<u>(\$10,274,109)</u>	
4. Average True-up Amount (50% of Line 3)	<u>(\$523,465)</u>	<u>(\$265,760)</u>	<u>(\$285,815)</u>	<u>(\$851,292)</u>	<u>(\$1,352,360)</u>	<u>(\$1,919,646)</u>	<u>(\$2,583,387)</u>	<u>(\$3,050,643)</u>	<u>(\$3,299,162)</u>	<u>(\$3,415,818)</u>	<u>(\$4,122,050)</u>	<u>(\$5,137,055)</u>	
5. Interest Rate - First Day of Month	<u>1.58000</u>	1.46000	1.62000	1.86000	1.85000	1.86000	1.98000	2.45000	2.45000	2.45000	2.70000	2.70000	
6. Interest Rate - First Day of Next Month	<u>1.46000</u>	<u>1.62000</u>	<u>1.86000</u>	<u>1.85000</u>	<u>1.86000</u>	<u>1.98000</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.70000</u>	<u>2.70000</u>	<u>2.70000</u>	
7. Total (Line 5 + Line 6)	<u>3.04000</u>	<u>3.08000</u>	<u>3.48000</u>	<u>3.71000</u>	<u>3.71000</u>	<u>3.84000</u>	<u>4.43000</u>	<u>4.90000</u>	<u>4.90000</u>	<u>5.15000</u>	<u>5.40000</u>	<u>5.40000</u>	
8. Average Interest Rate (50% of Line 7)	<u>1.52000</u>	<u>1.54000</u>	<u>1.74000</u>	<u>1.85500</u>	<u>1.85500</u>	<u>1.92000</u>	<u>2.21500</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.57500</u>	<u>2.70000</u>	<u>2.70000</u>	
9. Monthly Average Interest Rate (Line 8/12)	<u>0.00127</u>	<u>0.00128</u>	<u>0.00145</u>	<u>0.00155</u>	<u>0.00155</u>	<u>0.00160</u>	<u>0.00185</u>	<u>0.00204</u>	<u>0.00204</u>	<u>0.00215</u>	<u>0.00225</u>	<u>0.00225</u>	
10. Interest Provision (Line 4 x Line 9)	<u>(\$665)</u>	<u>(\$340)</u>	<u>(\$414)</u>	<u>(\$1,320)</u>	<u>(\$2,096)</u>	<u>(\$3,071)</u>	<u>(\$4,779)</u>	<u>(\$6,223)</u>	<u>(\$6,730)</u>	<u>(\$7,344)</u>	<u>(\$9,275)</u>	<u>(\$11,558)</u>	<u>(\$53,815)</u>

TAMPA ELECTRIC COMPANY
 Energy Conservation
 Calculation of Conservation Revenues

Actual for Months January 2018 through June 2018
 Projected for Months July 2018 through December 2018

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,549,779	-	3,397,627
February	1,404,253	-	3,137,210
March	1,392,398	-	3,024,337
April	1,407,519	-	3,002,129
May	1,486,512	-	3,197,275
June	1,719,527	-	3,697,227
July	1,898,539	-	4,231,412
August	1,889,186	-	4,210,697
September	2,013,588	-	4,315,564
October	1,774,649	-	3,838,584
November	1,485,702	-	3,224,351
December	1,429,753	-	3,184,303
Total	<u>19,451,405</u>	<u>0</u>	<u>42,460,717</u>

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ENERGY AUDITS

Program Description: A “how to” information and analysis guide for customers. There are four types of residential energy audits available to Tampa Electric customers: Walk-through Free Energy Check, Customer Assisted, Computer Assisted Paid and Building Energy Ratings System (“BERS”).

Program Projections: January 1, 2018 to December 31, 2018

During this period, the following energy audit participation is projected:

Residential Walk-Through:	7,412
Residential Customer Assisted:	3,468
Residential Computer Assisted:	3
BERS:	0

January 1, 2019 to December 31, 2019

During this period, the following energy audit participation is projected:

Residential Walk-Through:	6,200
Residential Customer Assisted:	12,000
Residential Computer Assisted:	7
BERS:	0

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$2,739,688.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,575,007.

Program Progress

Summary:

Through December 31, 2017 the following Residential Energy Audit totals are:

Residential Walk-Through:	320,130
Residential Customer Assisted ⁽¹⁾ :	122,964
Residential Computer Assisted:	3,908
<u>BERS:</u>	<u>80</u>
Total:	447,082

Note 1: Includes Mail-in and On-line audits. Residential Mail-in audit program was retired on December 31, 2004.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL CEILING INSULATION

Program Description: A rebate program that encourages existing residential customers to install additional ceiling insulation in existing homes.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 663 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 750 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$252,828.

January 1, 2019 to December 31, 2019

Expenditures are estimated at \$281,324.

Program Progress Summary:

Through December 31, 2017 the following Residential Ceiling Insulation totals are:

Residential Ceiling Insulation: 122,768

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL DUCT REPAIR

Program Description: A rebate program that encourages residential customers to repair leaky duct work of central air conditioning systems in existing homes

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 1,821 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 1,020 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$343,422.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$239,884.

Program Progress Summary:

Through December 31, 2017 the following Residential Duct Repair totals are:
Residential Duct Repair: 100,398

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

Program Description: A rebate program that encourages residential customers to replace their existing HVAC air handler motor with an ECM.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there is one customer projected to participate.

January 1, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$227.

January 1, 2019 to December 31, 2019

Expenditures are estimated at \$267.

Program Progress Summary:

Through December 31, 2017 the following Residential ECM totals are:
Residential ECM: 5

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH

Program Description: A program that provides opportunities for engaging and educating groups of customers and students on energy-efficiency and conservation in an organized setting. Participants are provided with an energy savings kit which includes energy saving devices and supporting information appropriate for the audience.

Program Projections: January 1, 2018 to December 31, 2018.

During this period, there are 829 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 700 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$166,480.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$193,436.

Program Progress Summary:

Through 2017, Tampa Electric has partnered with 116 local schools to present Energy Education to 35,434 students. In addition, the company gave 144 presentations to civic organizations that generated 837 customer assisted audits and distributed 6,029 energy saving kits to participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW MULTI-FAMILY RESIDENCES

Program Description: A rebate program that encourages the construction of new multi-family residences to meet the requirements to achieve the ENERGY STAR certified apartments and condominium label.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 300 multi-family residences projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 600 multi-family residences projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$99,438.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$196,696.

Program Progress Summary:

On May 4, 2017 ENERGY STAR for New Multi-Family Residences was approved as a new residential DSM program. Through December 31, 2017 the following ENERGY STAR for New Multi-Family Residences totals are:

ENERGY STAR for New Multi-Family Residences: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW HOMES

Program Description: A rebate program that encourages residential customers to construct residential dwellings that qualify for the Energy Star Award by achieving efficiency levels greater than current Florida building code baseline practices.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 1,016 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 1,800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$900,239.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$1,573,183.

Program Progress Summary:

On November 3, 2015 ENERGY STAR for New Homes replaced the prior Residential New Construction Program. Through December 31, 2017 the following ENERGY STAR for New Homes totals are:

ENERGY STAR for New Homes: 12,811

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL HEATING AND COOLING

Program Description: A rebate program that encourages residential customers to install high-efficiency residential heating and cooling equipment in existing homes.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 3,257 units projected to be installed and approved.

January 1, 2019 to December 31, 2019

During this period, there are 3,500 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$528,808.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$558,455.

Program Progress Summary:

Through December 31, 2017 the following Residential Heating and Cooling totals are:

Residential Heating and Cooling: 201,395

PROGRAM DESCRIPTION AND PROGRESS

Program Title: NEIGHBORHOOD WEATHERIZATION

Program Description: A program that provides for the installation of energy efficient measures for qualified low-income customers.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 6,610 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 7,000 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$4,843,792.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$5,933,596.

Program Progress Summary:

Through December 31, 2017 the following Neighborhood Weatherization totals are:

Neighborhood Weatherization: 35,932

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL PRICE RESPONSIVE LOAD MANAGEMENT (ENERGY PLANNER)

Program Description: A program that reduces weather-sensitive loads through an innovative price responsive rate used to encourage residential customers to make behavioral or equipment usages changes by pre-programming HVAC, water heating and pool pumps.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 5,231 projected customers for this program on a cumulative basis.

January 1, 2019 to December 31, 2019

During this period, there are 6,231 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$3,534,868.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,567,457.

Program Progress Summary:

Through December 31, 2017 the following Energy Planner totals are:
Energy Planner Participating Customers: 4,536

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WALL INSULATION

Program Description: A rebate program that encourages existing residential customers to install additional wall insulation in existing homes.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are three customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are six customers projected to participate.

Program Fiscal Expenditures:

January 1, 2017 to December 31, 2016

Expenditures are estimated to be \$454.

January 1, 2019 to December 31, 2019

Expenditures are estimated at \$879.

Program Progress Summary:

Through December 31, 2017 the following Residential Wall Insulation totals are:
Residential Wall Insulation: 195

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WINDOW REPLACEMENT

Program Description: A rebate program that encourages existing residential customers to install window upgrades in existing homes.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 1,640 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 1,800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$702,407.

January 1, 2019 to December 31, 2019

Expenditures are estimated at \$747,496.

Program Progress Summary:

Through December 31, 2017 the following Residential Window Replacement totals are:

Residential Window Replacement: 13,206

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRIME TIME

Program Description: An incentive program that encourages residential customers to allow the control of weather-sensitive heating, cooling and water heating systems to reduce the associated weather sensitive peak.

Program Projections: January 1, 2018 to December 31, 2018

This program is retired

January 1, 2019 to December 31, 2019

This program is retired.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$25,229.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$35,148.

Program Progress Summary:

Program was retired on May 11, 2016

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL/INDUSTRIAL ENERGY AUDITS

Program Description: A “how to” information and analysis guide for customers. There are two types of commercial/industrial energy audits available to Tampa Electric customers: Commercial/Industrial (Free) and Comprehensive Commercial/Industrial (Paid).

Program Projections: January 1, 2018 to December 31, 2018

During this period, the following energy audit participation is projected:

Commercial/Industrial (Free):	710
Comprehensive Commercial/Industrial (Paid):	3

January 1, 2019 to December 31, 2019

During this period, the following energy audit participation is projected:

Commercial/Industrial (Free):	765
Comprehensive Commercial/Industrial (Paid):	8

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$351,443.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$426,225.

Program Progress Summary:

Through December 31, 2017 the following Commercial Energy Audit totals are:

Commercial/Industrial (Free):	25,409
Comprehensive Commercial/Industrial (Paid):	237
<u>Commercial Mail-in</u>	<u>1,477</u>
Commercial/Industrial Total	27,123

Commercial Mail-in audit program was retired on December 31, 2004.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CEILING INSULATION

Program Description: A rebate program that encourages commercial and industrial customers to install additional ceiling insulation in existing commercial structures.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 9 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 8 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$9,890.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$9,278.

Program Progress Summary:

Through December 31, 2017 the following Commercial Ceiling Insulation totals are:

Commercial Ceiling Insulation: 311

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER

Program Description: A rebate program that encourages commercial and industrial customers to install high efficiency chiller equipment.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are three units projected to be installed and approved.

January 1, 2019 to December 31, 2019

During this period, there are eight units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$11,456.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$29,976.

Program Progress Summary:

Through December 31, 2017 the following Commercial Chiller totals are:
Commercial Chiller: 68

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COGENERATION

Program Description: An incentive program whereby large industrial customers with waste heat or fuel resources may install electric generating equipment, meet their own electrical requirements and/or sell their surplus to the company.

Program Projections: January 1, 2018 to December 31, 2018

The company continues communication and interaction with all existing participants and potential developers regarding current and future cogeneration customers. There are no new cogeneration facility additions projected.

January 1, 2019 to December 31, 2019

The company continues communication and interaction with all existing participants and potential developers regarding current and future cogeneration customers. Tampa Electric will continue working with customers to evaluate the economics of additional capacity in future years.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$64,894.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$67,568.

Program Progress

Summary:

At the end of 2017, there are eight cogeneration Qualifying Facilities (“QFs”) that are on-line in Tampa Electric’s service area. These facilities have a total combined nameplate generation capacity of 443.3 MW. This includes generation that is connected but wheeled outside of Tampa Electric’s service area.

The company continues interaction with existing participants and potential developers regarding current and future cogeneration activities.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

Program Description: A rebate program that encourages commercial and industrial customers to invest in energy efficiency and conservation measures that are not sanctioned by other commercial programs.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there is one customer projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are two customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$53,237.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$137,939.

Program Progress

Summary:

Through December 31, 2017 the following Conservation Value totals are:
Conservation Value: 53

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOL ROOF

Program Description: A rebate program that encourages commercial and industrial customers to install a cool roof system above conditioned spaces.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 20 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 20 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$192,330.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$254,900.

Program Progress Summary:

Through December 31, 2017 the following Commercial Cool Roof totals are:
Commercial Cool Roof: 232

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

Program Description: A rebate program that encourages commercial and industrial customers to install high efficiency direct expansion commercial air conditioning cooling equipment.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 27 units projected to be installed and approved.

January 1, 2019 to December 31, 2019

During this period, there are five units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$6,216.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,305.

Program Progress Summary:

Through December 31, 2017 the following Commercial Cooling totals are:
Commercial Cooling: 2,298

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DEMAND RESPONSE

Program Description: A turn-key incentive program for commercial and industrial customers to reduce their demand for electricity in response to market signals.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 40 MW of demand response available for control.

January 1, 2019 to December 31, 2019

During this period, there are 40 MW of demand response projected to be available for control.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$3,611,147.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,992,752.

Program Progress Summary:

Through December 31, 2017, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

Program Description: A rebate program that encourage existing commercial and industrial customers to repair leaky ductwork of central air-conditioning systems in existing commercial and industrial facilities.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 14 repairs projected to be made.

January 1, 2019 to December 31, 2019

During this period, there are 20 repairs projected to be made.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$3,259.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$7,968.

Program Progress

Summary:

Through December 31, 2017 the following Commercial Duct Repair totals are:
Commercial Duct Repair: 11,033

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

Program Description: A rebate program that encourages commercial and industrial customers to replace their existing air handler motors or refrigeration fan motors with an ECM.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 10 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 20 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$6,030.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$11,193.

Program Progress Summary:

Through December 31, 2017 the following Commercial ECM totals are:
Commercial ECM: 1,512

PROGRAM DESCRIPTION AND PROGRESS

Program Title: INDUSTRIAL LOAD MANAGEMENT (GSLM 2&3)

Program Description: An incentive program whereby large industrial customers allow for the interruption of their facility or portions of their facility electrical load.

Program Projections: January 1, 2018 to December 31, 2018

During this period, one new customer projected to participate.

January 1, 2019 to December 31, 2019

During this period, zero new customers are projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$17,094,557.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$16,862,173.

Program Progress Summary:

Through December 31, 2017, there are 34 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LED STREET AND OUTDOOR LIGHTING CONVERSION

Program Description: A conservation program that converts the company's existing metal halide and high-pressure sodium street and outdoor luminaires to light emitting diode luminaires. The program allows for the recovery of the remaining unamortized costs in rate base associated with the luminaires converted.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 43,368 luminaires projected to be converted.

January 1, 2019 to December 31, 2019

During this period, there are 56,040 luminaires projected to be converted.

**Program Fiscal
Expenditures:**

January 1, 2018 to December 31, 2018

Undepreciated net book value expenditures are estimated to be \$6,362,305
Salvage value associated with converted luminaires are estimated to be \$256,588
Net expenditures are estimated to be \$6,105,717

January 1, 2019 to December 31, 2019

Undepreciated net book value expenditures are estimated to be \$8,914,040
Salvage value associated with converted luminaires are estimated to be \$414,743
Net expenditures are estimated to be \$8,499,297

**Program Progress
Summary:**

This program was approved on February 6, 2018.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING CONDITIONED SPACE

Program Description: A rebate program that encourages commercial and industrial customers to invest in more efficient lighting technologies in existing conditioned areas of commercial and industrial facilities.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 368 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 140 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$810,949.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$309,240.

Program Progress Summary:

Through December 31, 2017 the following Lighting Conditioned Space totals are:
Lighting Conditioned Space: 2,172

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING NON-CONDITIONED SPACE

Program Description: A rebate program that encourages commercial and industrial customers to invest in more efficient lighting technologies in existing non-conditioned areas of commercial and industrial facilities.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 239 customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are 90 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$211,776.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$213,711.

Program Progress Summary:

Through December 31, 2017 the following Lighting Non-Conditioned Space totals are:

Lighting Non-Conditioned Space: 551

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING OCCUPANCY SENSORS

Program Description: A rebate program that encourages commercial and industrial customers to install occupancy sensors to control commercial lighting systems.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are eight units projected to be installed and approved.

January 1, 2019 to December 31, 2019

During this period, there are 12 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$18,717.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$10,464.

Program Progress Summary:

Through December 31, 2017 the following Lighting Occupancy Sensors totals are:
Lighting Occupancy Sensors: 216

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: An incentive program that encourages commercial and industrial customers to allow for the control of weather-sensitive heating, cooling and water heating systems to reduce the associated weather sensitive peak.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are zero new installations projected.

January 1, 2019 to December 31, 2019

During this period, there are zero new installations projected.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$67,707.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$13,087.

Program Progress

Summary:

Through December 31, 2017 the following Commercial Load Management totals are:

Commercial Load Management Participating Customers: 6

PROGRAM DESCRIPTION AND PROGRESS

Program Title: REFRIGERATION ANTI-CONDENSATE CONTROL

Program Description: A rebate program that encourages commercial and industrial customers to install anti-condensate equipment sensors and control within refrigerated door systems.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there is one customer projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are two customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$1,976.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,496.

Program Progress Summary:

Through December 31, 2017 the following Refrigeration Anti-Condensate totals are:

Refrigeration Anti-Condensate: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: STANDBY GENERATOR

Program Description: An incentive program designed to utilize the emergency generation capacity of commercial/industrial facilities in order to reduce weather sensitive peak demand.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there is one new installation projected.

January 1, 2019 to December 31, 2019

During this period, there is zero new installations projected.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$3,852,971.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$4,057,314.

Program Progress Summary:

Through December 31, 2017 the following Standby Generator totals are:
Standby Generator Participating Customers: 94

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

Program Description: A rebate program that encourages commercial and industrial customers to install an off-peak air conditioning system.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are two customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there are three customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$163,730.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$208,594.

Program Progress Summary:

Through December 31, 2017 the following Thermal Energy Storage totals are:
Thermal Energy Storage: 1

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WALL INSULATION

Program Description: A rebate program that encourages commercial and industrial customers to install wall insulation in existing commercial and industrial structures.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are zero customers projected to participate.

January 1, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$0.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,221.

Program Progress Summary:

Through December 31, 2017 the following Commercial Wall Insulation totals are:
Commercial Wall Insulation: 2

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WATER HEATING

Program Description: A rebate program that encourages commercial and industrial customers to install high efficiency water heating systems.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there is one unit projected to be installed and approved.

January 1, 2019 to December 31, 2019

During this period, there are three units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$2,967.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$6,588.

Program Progress Summary:

Through December 31, 2017 the following Commercial Water Heating totals are:
Commercial Water Heating: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DSM RESEARCH AND DEVELOPMENT (R&D)

Program Description: A program that allows for the exploration of DSM measures that have insufficient data on the cost-effectiveness of the measure and the potential impact to Tampa Electric and its ratepayers.

Program Projections: See Program Progress Summary.

**Program Fiscal
Expenditures:**

January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$1,120.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$6,591.

**Program Progress
Summary:**

Currently, Tampa Electric continues to monitor and review possible programs to research and develop and has the following four R&D evaluations in progress:

1. Electric vehicle benefits and impacts.
2. Battery storage for peak shifting.
3. Heat Pump Water Heater inclusion into the Energy Planner Program.
4. Commercial low-income weatherization.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RENEWABLE ENERGY PROGRAM

Program Description: This program is designed to promote and deliver renewable energy options to the company's customers. This specific effort provides funding for program administration, generation, evaluation of potential new renewable sources and market research.

Program Projections: January 1, 2018 to December 31, 2018

During this period, there are 1,600 projected customers with 2,400 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 400 blocks estimated to be purchased on a one-time basis.

January 1, 2019 to December 31, 2019

During this period, there are 1,650 projected customers with 2,450 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 400 blocks estimated to be purchased on a one-time basis.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2018

During this period, the company anticipates revenues of approximately \$154,949 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be \$493,077.

January 1, 2019 to December 31, 2019

During this period, the company anticipates revenues of approximately \$159,506 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be \$506,353.

Program Progress Summary:

Through December 31, 2017, there were 1,600 customers with 2,374 blocks subscribed. In addition, there were 202 blocks of renewable energy purchased on a one-time basis. On a cumulative basis, 43,365 monthly and one-time blocks of renewable energy have been purchased.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMON EXPENSES

Program Description: These are expenses common to all programs.

Program Projections: N/A

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Expenditures are estimated to be \$580,774.

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$654,300.

Program Progress Summary: N/A

2019 Residential Service Variable Pricing (RSVP-1) Rates (Cents per kWh)

Rate Tiers	Base Rate	Fuel	Capacity	Environmental	Conservation	Total Clauses	Base Rate Plus Clauses
P4	5.457	2.719	0.103	0.221	34.911	37.954	43.411
P3	5.457	2.719	0.103	0.221	5.936	8.979	14.436
P2	5.457	2.719	0.103	0.221	-0.877	2.166	7.623
P1	5.457	2.719	0.103	0.221	-2.319	0.724	6.181