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August 19, 2016

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. 160002-EG

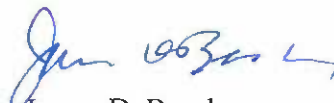
Dear Ms. Stauffer:

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. 160002-EG

FILED: August 19, 2016

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 2017. In support thereof, the company says:

Conservation Cost Recovery

1. During the period January through December 2015, Tampa Electric incurred actual net conservation costs of \$46,516,401, plus a beginning true-up over-recovery of \$7,550,001 for a total of \$38,966,400. The amount collected through the Conservation Cost Recovery Clause was \$43,141,568. The true-up amount for January through December 2015 was an over-recovery of \$4,181,597 including interest. (See Exhibit (MRR-1); Schedule CT-1, Page 1 of 1 and CT-2, Page 1 of 4, filed May 2, 2016).

2. During the period January through December 2016, the company anticipates incurring expenses of \$37,756,864. For the period the total net true-up under-recovery is estimated to be \$1,598,942 including interest. (See Exhibit (MRR-2); Schedule C-3, page 7 of 8).

3. For the forthcoming cost recovery period January through December 2017, Tampa Electric projects its total incremental conservation costs to be \$ 36,314,441. Tampa Electric's total true-up and projected expenditures for the projection period are estimated to be \$37,913,383 including true-up estimates for January through December 2016. 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	0.225
GS and TS	0.203
GSD Optional–Secondary	0.180
GSD Optional–Primary	0.178
GSD Optional–Subtransmission	0.176
LS-1	0.099

<u>Rate Schedule</u>	<u>Cost Recovery Factors (dollars per kW)</u>
GSD-Secondary	0.77
GSD-Primary	0.76
GSD-Subtransmission	0.75
SBF–Secondary	0.77
SBF–Primary	0.76
SBF–Subtransmission	0.75
IS–Secondary	0.48
IS-Primary	0.48
IS–Subtransmission	0.47

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

4. For the forthcoming cost recovery period, January through December 2017, the Contracted Credit Value for the GSLM-2 and GSLM-3 rate riders will be \$9.98 per kW. (See Exhibit (MRR-2); Page 64).

5. For the forthcoming cost recovery period, January through December 2017, the residential Price Responsive Load Management ("RSVP-1") rates are as follows:

<u>Rate Tier</u>	<u>Cents per kWh</u>
P4	28.645
P3	7.054
P2	-0.719
P1	-2.501

(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, 2017 through December 31, 2017.

DATED this 19th day of August, 2016.

Respectfully submitted,



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Ausley McMullen
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ATTORNEYS FOR TAMPA ELECTRIC COMPANY

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 hand delivery (*) or electronic mail on this 19th day of August 2016 to the following:

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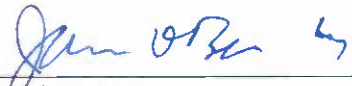
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ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 160002-EG
IN RE: CONSERVATION COST RECOVERY CLAUSE
TESTIMONY AND EXHIBIT
OF
MARK R. ROCHE

FILED: AUGUST 19, 2016

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") as Manager, Regulatory Rates in the
12 Regulatory Affairs Department.
13

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

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

1 Distribution Control Center operations, Meter Department,
2 Meter Field Operations, Service Delivery, Revenue
3 Assurance, Commercial and Industrial Energy Management
4 Services, Demand Side Management ("DSM") Planning and
5 Forecasting. In my current position I am responsible for
6 the company's Energy Conservation Cost Recovery ("ECCR")
7 Clause and Storm Hardening.

8
9 **Q.** Have you previously testified before the Florida Public
10 Service Commission ("Commission")?
11

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

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

18 **A.** The purpose of my testimony is to support the company's
19 actual conservation costs incurred during the period
20 January through December 2015, the actual/projected
21 period January to December 2016, and the projected period
22 January through December 2017. The projected 2017 ECCR
23 factors have been calculated based on the current
24 approved allocation methodology. Also, I will support
25 the appropriate Contracted Credit Value ("CCV") for

1 participants in the General Service Industrial Load
2 Management Riders ("GSLM-2" and "GSLM-3") for the period
3 January through December 2017. In addition, I will
4 support the appropriate residential variable pricing
5 rates ("RSVP-1") for participants in the Residential
6 Price Responsive Load Management Program for the period
7 January through December 2017.

8
9 **Q.** Did you prepare any exhibits in support of your
10 testimony?

11
12 **A.** Yes. Exhibit No. MRR-2 was prepared under my direction
13 and supervision. This document includes Schedules C-1
14 through C-5 and associated data which support the
15 development of the conservation cost recovery factors for
16 January through December 2017 using the current 12
17 Coincident Peak ("CP") and 1/13 Average Demand ("AD")
18 Factor allocation methodology.

19
20 **Q.** Does the Exhibit No. MRR-2 meet the requirements of
21 Florida Statute Rule 25-17.015(1)(b) which requires the
22 projection filing to include the annual estimated/actual
23 true-up filing showing eight months actual and four
24 months projected commons costs, individual program costs
25 and any revenues?

1 **A.** No, based upon the due date of August 19, 2016 for this
2 filing in Docket No. 160002-EG it would be impossible for
3 Tampa Electric to comply with having eight months actual
4 and four months projected commons costs, individual
5 program costs and any revenues.

6
7 **Q.** Did Tampa Electric communicate this issue to the
8 Commission?

9
10 **A.** Yes, on July 27, 2016 Tampa Electric sought guidance from
11 the Commission Staff.

12
13 **Q.** What was the guidance the Commission Staff provided?

14
15 **A.** Commission Staff recommended that if the company could
16 not meet the requirements of the rule it could petition
17 the Commission for a rule waiver for a certain period of
18 time and also submit six months actual and six months
19 projected common costs, individual program costs and any
20 revenues for the projection filing.

21
22 **Q.** Is Tampa Electric pursuing such a rule waiver?

23
24 **A.** Yes, in conjunction with this projection filing, the
25 company and the other investor owned utilities are filing

1 a joint petition for rule waiver of Rule 25-17.015(1)(b)
2 to cover this filing this year as well as next year to
3 allow for a rule making proceeding to be conducted.
4 Also, Exhibit No. MRR-2 contains six months actual and
5 six months projected common costs, individual program
6 costs and any revenues collected.

7
8 **Q.** Please describe the conservation program costs projected
9 by Tampa Electric during the period January through
10 December 2015.

11
12 **A.** For the period January through December 2015, Tampa
13 Electric projected conservation program costs to be
14 \$46,224,522. The Commission authorized collections to
15 recover these expenses in Docket No. 140002-EG, Order No.
16 PSC-14-0632-FOF-EG, issued October 31, 2014.

17
18 **Q.** For the period January through December 2015, what were
19 Tampa Electric's conservation costs and what was
20 recovered through the ECCR clause?

21
22 **A.** For the period January through December 2015, Tampa
23 Electric incurred actual net conservation costs of
24 \$46,516,401 plus a beginning true-up over-recovery of
25 \$7,550,001 for a total of \$38,966,400. The amount

1 collected in the ECCR clause was \$43,141,568.

2
3 **Q.** What was the true-up amount?

4
5 **A.** The true-up amount for the period January through
6 December 2015 was an over-recovery of \$4,181,597
7 including interest. These calculations are detailed in
8 Exhibit No. MRR-1, Conservation Cost Recovery True Up,
9 Pages 6 through 18, filed May 2, 2016.

10
11 **Q.** Please describe the conservation program costs projected
12 to be incurred by Tampa Electric during the period
13 January through December 2016?

14
15 **A.** The actual costs incurred by Tampa Electric through June
16 2016 and projected for July through December 2016 are
17 \$37,756,864. For the period, Tampa Electric anticipates
18 an under-recovery in the ECCR Clause of \$1,598,942 which
19 includes the 2015 true-up and interest. A summary of
20 these costs and estimates are fully detailed in Exhibit
21 No. MRR-2, Conservation Costs Projected, pages 20 through
22 27.

23
24 **Q.** Has Tampa Electric proposed any new or modified DSM
25 Programs for ECCR cost recovery for the period January

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through December 2017?

A. No, at this time Tampa Electric is not proposing any new or modified program for ECCR cost recovery for the period January through December 2017. Tampa Electric is evaluating the potential to offer a new DSM program that would complement the existing ENERGY STAR for New Home Program. The potential program is still being evaluated and if petitioned for approval from the Commission would be called the ENERGY STAR for Multi-Family Residences.

Q. Please summarize the proposed conservation costs for the period January through December 2017 and the annualized recovery factors based on a 12 CP and 1/13 AD basis applicable for the period January through December 2017?

A. Tampa Electric has estimated that the total conservation costs (less program revenues) during the period will be \$36,314,441 plus true-up. Including true-up estimates, the January through December 2017 cost recovery factors allocated on a 12 CP and 1/13 AD basis for firm retail rate classes are as follows:

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Cost Recovery Factors

Rate Schedule

(cents per kWh)

RS	0.225
GS and TS	0.203
GSD Optional - Secondary	0.180
GSD Optional - Primary	0.178
GSD Optional - Subtransmission	0.176
LS-1	0.099

Cost Recovery Factors

Rate Schedule

(dollars per kW)

GSD - Secondary	0.77
GSD - Primary	0.76
GSD - Subtransmission	0.75
SBF - Secondary	0.77
SBF - Primary	0.76
SBF - Subtransmission	0.75
IS - Secondary	0.48
IS - Primary	0.48
IS - Subtransmission	0.47

Exhibit No. MRR-2, Conservation Costs Projected, pages 15 through 19 contain the Commission prescribed forms which detail these estimates.

Q. Has Tampa Electric complied with the ECCR cost allocation

1 methodology stated in Docket No. 930759-EG, Order No.
2 PSC-93-1845-EG?

3
4 **A.** Yes, it has.

5
6 **Q.** Please explain why the incentive for GSLM-2 and GSLM-3
7 rate riders is included in your testimony?

8
9 **A.** In Docket No. 990037-EI, Tampa Electric petitioned the
10 Commission to close its non-cost-effective interruptible
11 service rate schedules while initiating the provision of
12 a cost-effective non-firm service through a new load
13 management program. This program would be funded through
14 the ECCR clause and the appropriate annual contracted
15 credit value ("CCV") for customers would be submitted for
16 Commission approval as part of the company's annual ECCR
17 projection filing. Specifically, the level of the CCV
18 would be determined by using the Rate Impact Measure
19 ("RIM") Test contained in the Commission's cost-
20 effectiveness methodology found in Rule 25-17.008, F.A.C.
21 By using a RIM Test benefit-to-cost ratio of 1.2, the
22 level of the CCV would be established on a per kilowatt
23 ("kW") basis. This program and methodology for CCV
24 determination was approved by the Commission in Docket
25 No. 990037-EI, Order No. PSC-99-1778-FOF-EI, issued

1 September 10, 1999.

2
3 **Q.** What is the appropriate CCV for customers who elect to
4 take service under the GSLM-2 and GSLM-3 rate riders
5 during the January through December 2017 period?

6
7 **A.** For the January through December 2017 period, the table
8 below lists the CCV for 2017 by voltage level including
9 the past six years of CCV:

10
11 **CCV dollars per kW by Voltage Level**

	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	
12				
13	2017	9.98	9.88	9.78
14	2016	8.81	8.72	8.63
15	2015	8.14	8.06	7.98
16	2014	7.72	7.64	7.57
17	2013	6.81	6.74	6.67
18	2012	9.82	9.72	9.62
19	2011	9.21	9.12	9.03

20 If the 2017 assessment for need determination indicates
21 the availability of new non-firm load, the CCV will be
22 applied to new subscriptions for service under those rate
23 riders. The application of the cost-effectiveness
24 methodology to establish the CCV is found in the attached
25 analysis, Exhibit No. MRR-2, Conservation Costs

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Projected, beginning on page 64 through 68.

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

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

Q. What are the appropriate Price Responsive Load Management rates ("RSVP-1") for customers who elect to take this service during the January through December 2017?

A. The appropriate RSVP-1 rates during the January through December 2017 period for Tampa Electric's Price Responsive Load Management program are as follows:

<u>Rate Tier</u>	<u>(Cents per kWh)</u>
P4	28.645
P3	7.054

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P2 (0.719)

P1 (2.501)

Page 69 contains the projected RSVP-1 rates for 2017.

Q. Does this conclude your testimony?

A. Yes it does.

CONSERVATION COSTS
PROJECTED

INDEX

<u>SCHEDULE</u>	<u>TITLE</u>	<u>PAGE</u>
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—	Detail of RSVP-1 Rates	69

TAMPA ELECTRIC COMPANY
 CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
 JANUARY 2017 THROUGH DECEMBER 2017
 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	53.13%	8,934,018	1,919	1.07835	1.05122	9,391,609	2,070	46.88%	56.83%	56.06%
GS,TS	62.24%	1,001,850	184	1.07835	1.05120	1,053,149	198	5.26%	5.44%	5.43%
GSD Optional	3.82%	400,105	59	1.07384	1.04767	419,179	64	2.09%	1.76%	1.79%
GSD, SBF Standard	73.08%	7,655,374	1,136	1.07384	1.04767	8,020,323	1,220	40.03%	33.50%	34.00%
IS	128.17%	908,781	81	1.02975	1.01779	924,945	83	4.62%	2.28%	2.46%
LS-1	354.65%	213,951	7	1.07835	1.05122	224,909	7	1.12%	0.19%	0.26%
TOTAL		19,114,079	3,387			20,034,114	3,642	100%	100%	100%

- (1) AVG 12 CP load factor based on projected 2016 calendar data.
- (2) Projected MWH sales for the period Jan. 2017 thru Dec. 2017
- (3) Calculated: Col (2) / (8760*Col (1)).
- (4) Based on 2016 projected demand losses.
- (5) Based on 2016 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 2017 through December 2017

1. Total Incremental Cost (C-2, Page 1, Line 17)	36,314,441
2. Demand Related Incremental Costs	23,753,197
3. Energy Related Incremental Costs	12,561,244

RETAIL BY RATE CLASS

	<u>RS</u>	<u>GS,TS</u>	<u>GSD, SBF STANDARD</u>	<u>GSD OPTIONAL</u>	<u>IS</u>	<u>LS1</u>	<u>Total</u>
4. Demand Allocation Percentage	56.06%	5.43%	34.00%	1.79%	2.46%	0.26%	100.00%
5. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	13,316,042	1,289,799	8,076,087	425,182	584,329	61,758	<u>23,753,197</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>591,599</u>	<u>57,303</u>	<u>358,801</u>	<u>18,890</u>	<u>25,960</u>	<u>2,744</u>	<u>1,055,297</u>
7. Total Demand Related Incremental Costs	<u>13,907,642</u>	<u>1,347,101</u>	<u>8,434,888</u>	<u>444,072</u>	<u>610,289</u>	<u>64,502</u>	<u>24,808,494</u>
8. Energy Allocation Percentage	46.88%	5.26%	40.03%	2.09%	4.62%	1.12%	100.00%
9. Net Energy Related Incremental Costs	5,888,711	660,721	5,028,266	262,530	580,329	140,686	<u>12,561,244</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>254,857</u>	<u>28,595</u>	<u>217,618</u>	<u>11,362</u>	<u>25,116</u>	<u>6,089</u>	<u>543,638</u>
11. Total Net Energy Related Incremental Costs	<u>6,143,569</u>	<u>689,317</u>	<u>5,245,884</u>	<u>273,892</u>	<u>605,446</u>	<u>146,775</u>	<u>13,104,882</u>
12. Total Incremental Costs (Line 5 + 9)	19,204,753	1,950,520	13,104,353	687,712	1,164,658	202,444	36,314,441
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>846,457</u>	<u>85,898</u>	<u>576,419</u>	<u>30,252</u>	<u>51,076</u>	<u>8,833</u>	<u>1,598,935</u>
14. Total (Line 12 + 13)	<u>20,051,210</u>	<u>2,036,418</u>	<u>13,680,772</u>	<u>717,964</u>	<u>1,215,735</u>	<u>211,277</u>	<u>37,913,376</u>
15. Retail MWH Sales	8,934,018	1,001,850	7,655,374	400,105	908,781	213,951	19,114,079
16. Effective MWH at Secondary	8,934,018	1,001,850	7,655,374	400,105	908,781	213,951	19,114,079
17. Projected Billed KW at Meter	*	*	17,796,925	*	2,514,473	*	
18. Cost per KWH at Secondary (Line 14/Line 16)	0.22444	0.20327	*	0.17944	*	0.09875	
19. Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20. Adjustment Factor Adjusted for Taxes	0.2246	0.2034	*	0.1796	*	0.0988	
21. Conservation Adjustment Factor (cents/KWH)							
<u>RS, GS, TS, GSD Optional and LS-1 Rates (cents/KWH) *</u>							
- Secondary	<u>0.225</u>	<u>0.203</u>		<u>0.180</u>		<u>0.099</u>	
- Primary				<u>0.178</u>			
- Subtransmission				<u>0.176</u>			
<u>GSD, SBF, IS Standard Rates (\$/KW) *</u>							
<u>Full Requirement</u>							
- Secondary	*	*	<u>0.77</u>	*	<u>0.48</u>	*	
- Primary	*	*	<u>0.76</u>	*	<u>0.48</u>	*	
- Subtransmission	*	*	<u>0.75</u>	*	<u>0.47</u>	*	

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

TAMPA ELECTRIC COMPANY
Conservation Program Costs
Estimated For Months January 2017 through December 2017

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000353-12) Energy Audits (E)	194,803	196,281	207,094	188,074	200,168	214,305	201,018	202,918	213,508	216,794	200,829	187,097	2,422,889
12000381 Residential Ceiling Insulation	17,675	39,818	19,940	21,025	21,025	26,582	26,532	48,675	26,582	22,103	33,168	17,675	320,800
12000391 Residential Duct Repair	17,765	31,068	18,578	32,439	33,665	34,528	20,312	33,690	20,312	33,690	17,665	31,043	324,755
12000419 Residential Electronically Commutated Mo	0	0	0	0	0	0	0	0	220	0	0	0	220
12000375 Energy Education, Awareness and Agency	8,308	8,302	8,289	8,283	7,283	14,783	7,283	8,283	7,283	7,283	7,283	8,283	100,946
12000431 Energy Star for New Homes	67,476	66,626	73,388	70,888	72,938	70,604	70,589	79,140	79,140	81,840	79,940	79,473	892,042
12000349 Residential Heating and Cooling	48,760	48,750	52,251	52,851	55,752	62,284	76,732	76,732	47,797	47,787	49,197	48,760	667,653
12000425 Neighborhood Weatherization	383,564	323,564	323,564	323,564	368,564	331,784	331,784	331,784	368,564	323,564	323,352	323,352	4,057,004
12000433 Energy Planner	375,179	280,324	282,986	290,376	268,186	270,585	270,202	271,828	284,102	241,862	281,923	283,426	3,400,979
12000365 Residential Wall Insulation	267	0	267	0	267	0	314	0	267	0	314	267	1,963
12000367 Residential Window Replacement	50,388	50,388	50,388	50,388	50,388	50,539	50,539	50,539	50,539	50,539	50,539	50,388	605,562
12000351 Prime Time	11,891	11,203	11,126	11,236	11,975	11,428	11,314	11,894	11,153	11,421	12,520	11,435	138,596
12000397 Commercial Ceiling Insulation	3,955	495	3,955	495	3,955	495	3,955	495	2,675	495	495	1,395	22,860
12000411 Commercial Chiller	125	25	3,810	7,500	3,810	7,600	25	7,500	7,600	3,810	25	25	41,855
12000371 Cogeneration	3,625	3,625	3,625	3,807	3,807	3,807	3,807	3,807	3,807	3,807	3,807	3,807	45,138
12000389 Conservation Value	61,812	1,812	1,812	1,091	1,091	1,812	61,812	1,812	1,091	1,091	1,812	61,812	198,860
12000443 Cool Roof	26,007	8,669	25,907	43,146	17,288	8,769	8,669	8,669	8,769	17,288	17,288	43,607	234,076
12000429 Commercial Cooling	696	368	646	368	646	418	924	646	418	368	91	91	5,680
12000409 Demand Response	311,340	314,540	311,340	311,340	308,720	308,720	311,340	311,340	311,340	311,340	308,720	308,720	3,728,800
12000377 Commercial Duct Repair	2,442	3,651	4,134	4,134	1,717	2,442	3,651	3,651	2,442	1,234	1,234	992	31,724
12000441 Commercial ECM	1,471	586	586	586	586	1,329	586	586	1,329	586	586	1,471	10,288
12000379 Industrial Load Management (GLSM 2&3)	1,220,048	1,220,042	1,220,034	1,220,028	1,220,021	1,220,014	1,220,008	1,220,000	1,219,994	1,219,987	1,219,980	1,219,973	14,640,129
12000385 Lighting Conditioned Space	23,258	17,312	25,931	20,185	17,312	14,640	17,312	17,312	23,258	14,440	14,440	11,567	216,967
12003201 Lighting Non-Conditioned Space	9,561	4,730	3,154	9,461	4,730	6,407	7,884	9,461	7,984	6,307	4,730	4,730	79,139
12000413 Lighting Occupancy Sensors	1,816	25	25	948	1,766	1,816	1,766	2,584	998	948	25	948	13,665
12000383 CILM (GLSM 1)	30,229	15,229	15,229	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	67,687
12000415 Refrigeration Anti-condensate Control	1,739	0	0	0	0	0	1,739	0	0	0	0	0	3,478
12000387 Standby Generator	257,665	257,665	257,665	257,665	257,665	257,665	257,665	267,235	267,235	267,235	267,235	267,235	3,139,830
12003202 Thermal Energy Storage	524	524	1,978	41,386	1,978	524	81,978	1,978	524	1,978	81,978	1,245	216,595
12000399 Commercial Wall Insulation	0	0	0	0	0	2,214	0	0	0	0	0	0	2,214
12000417 Commercial Water Heating	2,239	0	0	0	2,189	50	0	0	50	0	0	2,189	6,717
12000427 Conservation Research and Development	2,312	262	262	262	262	312	262	262	262	2,262	262	312	7,294
12000393 Renewable Energy Program	0	0	0	0	0	0	0	0	0	0	0	0	0
12000347 Common Expenses	55,780	54,570	56,783	55,446	55,783	55,202	54,134	56,758	54,597	57,631	56,691	54,661	668,036
Total All Programs	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conv. Expenses	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441
Summary of Demand & Energy													
Energy	1,144,911	974,197	999,337	1,053,661	1,033,040	1,020,781	1,141,510	1,054,686	1,044,637	986,829	1,058,236	1,049,416	12,561,244
Demand	<u>2,047,809</u>	<u>1,986,257</u>	<u>1,985,410</u>	<u>1,974,311</u>	<u>1,961,497</u>	<u>1,961,877</u>	<u>1,963,626</u>	<u>1,975,893</u>	<u>1,980,203</u>	<u>1,961,861</u>	<u>1,977,893</u>	<u>1,976,563</u>	<u>23,753,197</u>
Total Recoverable Conv. Expenses	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2017 through December 2017

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
12000353- Energy Audits (E)	0	1,549,136	13,900	133,972	547,003	0	130,176	48,702	0	2,422,889
12000381 Residential Ceiling Insulation	0	63,550	0	0	0	251,040	3,900	2,310	0	320,800
12000391 Residential Duct Repair	0	55,954	0	0	0	252,450	3,900	12,451	0	324,755
12000419 Residential Electronically Commutated Motors	0	0	0	105	0	115	0	0	0	220
12000375 Energy Education, Awareness and Agency Outreach	0	59,174	7,200	9,672	0	0	4,800	20,100	0	100,946
12000431 Energy Star for New Homes	0	31,213	0	1,224	2,000	850,000	705	6,900	0	892,042
12000349 Residential Heating and Cooling	0	83,656	0	10,810	0	567,000	705	5,482	0	667,653
12000425 Neighborhood Weatherization	0	403,842	960	953,810	0	2,679,504	8,100	10,788	0	4,057,004
12000433 Energy Planner	1,640,344	964,391	13,700	251,464	264,000	0	106,680	160,400	0	3,400,979
12000365 Residential Wall Insulation	0	567	0	94	0	1,232	70	0	0	1,963
12000367 Residential Window Replacement	0	53,352	0	4,230	0	547,200	780	0	0	605,562
12000351 Prime Time	0	76,832	0	24,000	0	0	0	37,764	0	138,596
12000397 Commercial Ceiling Insulation	0	8,760	0	0	0	13,500	600	0	0	22,860
12000411 Commercial Chiller	0	2,755	0	0	0	38,500	300	300	0	41,855
12000371 Cogeneration	0	45,138	0	0	0	0	0	0	0	45,138
12000389 Conservation Value	0	12,056	0	6,504	0	180,000	300	0	0	198,860
12000443 Cool Roof	0	40,476	0	0	0	192,700	600	300	0	234,076
12000429 Commercial Cooling	0	2,670	0	0	0	2,560	300	150	0	5,680
12000409 Demand Response	0	52,400	0	0	0	3,672,000	1,200	3,200	0	3,728,800
12000377 Commercial Duct Repair	0	11,924	0	0	0	19,500	300	0	0	31,724
12000441 Commercial ECM	0	2,688	0	1,000	0	6,500	100	0	0	10,288
12000379 Industrial Load Management (GLSM 2&3)	12,009	15,720	0	0	0	14,611,200	1,200	0	0	14,640,129
12000385 Lighting Conditioned Space	0	57,967	0	0	0	157,500	600	900	0	216,967
12003201 Lighting Non-Conditioned Space	0	38,839	0	0	0	40,000	0	300	0	79,139
12000413 Lighting Occupancy Sensors	0	2,715	0	0	0	10,500	300	150	0	13,665
12000383 CILM (GLSM 1)	0	45,687	0	15,000	0	7,000	0	0	0	67,687
12000415 Refrigeration Anti-condensate Control	0	428	0	0	0	3,000	50	0	0	3,478
12000387 Standby Generator	0	86,460	0	0	0	3,053,010	360	0	0	3,139,830
12003202 Thermal Energy Storage	0	12,693	0	3,552	0	200,000	350	0	0	216,595
12000399 Commercial Wall Insulation	0	164	0	0	0	2,000	50	0	0	2,214
12000417 Commercial Water Heating	0	492	0	0	0	6,000	75	150	0	6,717
12000427 Conservation Research and Development	0	3,144	0	0	0	0	150	4,000	0	7,294
12000393 Renewable Energy Program	0	31,440	0	192,000	0	0	780	0	(224,220)	0
12000347 Common Expenses	0	508,086	0	142,800	0	0	1,800	15,350	0	668,036
Total All Programs	1,652,353	4,324,369	35,760	1,750,237	813,003	27,364,011	269,231	329,697	(224,220)	36,314,441
Summary of Demand & Energy										
Energy	820,172	3,309,459	28,910	1,514,105	681,003	6,020,801	212,156	198,858	(224,220)	12,561,244
Demand	<u>832,181</u>	<u>1,014,910</u>	<u>6,850</u>	<u>236,132</u>	<u>132,000</u>	<u>21,343,210</u>	<u>57,075</u>	<u>130,839</u>	<u>0</u>	<u>23,753,197</u>
Total All Programs	<u>1,652,353</u>	<u>4,324,369</u>	<u>35,760</u>	<u>1,750,237</u>	<u>813,003</u>	<u>27,364,011</u>	<u>269,231</u>	<u>329,697</u>	<u>(224,220)</u>	<u>36,314,441</u>

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2017 through December 2017

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	1,362,000
2. Retirements		96,654	112,575	160,676	21,432	20,915	101,805	0	27,546	58,804	106,677	22,187	22,405	751,675
3. Depreciation Base		6,440,424	6,441,349	6,394,173	6,486,241	6,578,826	6,590,521	6,704,021	6,789,975	6,844,671	6,851,494	6,942,807	7,033,902	
4. Depreciation Expense		<u>107,200</u>	<u>107,348</u>	<u>106,963</u>	<u>107,337</u>	<u>108,876</u>	<u>109,745</u>	<u>110,788</u>	<u>112,450</u>	<u>113,622</u>	<u>114,135</u>	<u>114,953</u>	<u>116,473</u>	<u>1,329,890</u>
5. Cumulative Investment	6,423,578	6,440,424	6,441,349	6,394,173	6,486,241	6,578,826	6,590,521	6,704,021	6,789,975	6,844,671	6,851,494	6,942,807	7,033,902	7,033,902
6. Less: Accumulated Depreciation	2,970,936	<u>2,981,482</u>	<u>2,976,255</u>	<u>2,922,542</u>	<u>3,008,447</u>	<u>3,096,408</u>	<u>3,104,348</u>	<u>3,215,136</u>	<u>3,300,040</u>	<u>3,354,858</u>	<u>3,362,316</u>	<u>3,455,082</u>	<u>3,549,150</u>	<u>3,549,150</u>
7. Net Investment	<u>3,452,642</u>	<u>3,458,942</u>	<u>3,465,094</u>	<u>3,471,631</u>	<u>3,477,794</u>	<u>3,482,418</u>	<u>3,486,173</u>	<u>3,488,885</u>	<u>3,489,935</u>	<u>3,489,813</u>	<u>3,489,178</u>	<u>3,487,725</u>	<u>3,484,752</u>	<u>3,484,752</u>
8. Average Investment		3,455,792	3,462,018	3,468,363	3,474,713	3,480,106	3,484,296	3,487,529	3,489,410	3,489,874	3,489,496	3,488,452	3,486,239	
9. Return on Average Investment - Equity Component		20,237	20,274	20,311	20,348	20,380	20,404	20,423	20,434	20,437	20,435	20,429	20,416	244,528
10. Return on Average Investment - Debt Component		<u>5,456</u>	<u>5,466</u>	<u>5,476</u>	<u>5,486</u>	<u>5,495</u>	<u>5,501</u>	<u>5,506</u>	<u>5,509</u>	<u>5,510</u>	<u>5,509</u>	<u>5,508</u>	<u>5,504</u>	<u>65,926</u>
11. Total Depreciation and Return		<u>132,893</u>	<u>133,088</u>	<u>132,750</u>	<u>133,171</u>	<u>134,751</u>	<u>135,650</u>	<u>136,717</u>	<u>138,393</u>	<u>139,569</u>	<u>140,079</u>	<u>140,890</u>	<u>142,393</u>	<u>1,640,344</u>

NOTES:

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

Line 9 x 7.0273% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2017 through December 2017

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		55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	
4. Depreciation Expense		<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>11,028</u>
5. Cumulative Investment	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126
6. Less: Accumulated Depreciation	38,618	<u>39,537</u>	<u>40,456</u>	<u>41,375</u>	<u>42,294</u>	<u>43,213</u>	<u>44,132</u>	<u>45,051</u>	<u>45,970</u>	<u>46,889</u>	<u>47,808</u>	<u>48,727</u>	<u>49,646</u>	<u>49,646</u>
7. Net Investment	<u>16,508</u>	<u>15,589</u>	<u>14,670</u>	<u>13,751</u>	<u>12,832</u>	<u>11,913</u>	<u>10,994</u>	<u>10,075</u>	<u>9,156</u>	<u>8,237</u>	<u>7,318</u>	<u>6,399</u>	<u>5,480</u>	<u>5,480</u>
8. Average Investment		16,049	15,130	14,211	13,292	12,373	11,454	10,535	9,616	8,697	7,778	6,859	5,940	
9. Return on Average Investment - Equity Component		94	89	83	78	72	67	62	56	51	46	40	35	773
10. Return on Average Investment - Debt Component		<u>25</u>	<u>24</u>	<u>22</u>	<u>21</u>	<u>20</u>	<u>18</u>	<u>17</u>	<u>15</u>	<u>14</u>	<u>12</u>	<u>11</u>	<u>9</u>	<u>208</u>
11. Total Depreciation and Return		<u>1,038</u>	<u>1,032</u>	<u>1,024</u>	<u>1,018</u>	<u>1,011</u>	<u>1,004</u>	<u>998</u>	<u>990</u>	<u>984</u>	<u>977</u>	<u>970</u>	<u>963</u>	<u>12,009</u>

NOTES:

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

Line 9 x 7.0273% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jan-Dec).

DOCKET NO. 160002-EG
ECCR 2017 PROJECTION
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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000353-1: Energy Audits (E)										
2 Actual	0	511,251	3,216	92,604	351,926	0	97,011	24,455	0	1,080,463
3 Projected	0	<u>668,889</u>	<u>3,750</u>	<u>100,898</u>	<u>349,937</u>	0	<u>66,820</u>	<u>32,256</u>	0	<u>1,222,550</u>
4 Total	0	1,180,140	6,966	193,502	701,863	0	163,831	56,711	0	2,303,013
12000381 Residential Ceiling Insulation										
6 Actual	0	33,920	455	2,602	0	111,065	1,605	973	0	150,620
7 Projected	0	<u>34,581</u>	<u>350</u>	<u>0</u>	<u>0</u>	<u>148,720</u>	<u>3,150</u>	<u>1,200</u>	0	<u>188,001</u>
8 Total	0	68,501	805	2,602	0	259,785	4,755	2,173	0	338,621
12000391 Residential Duct Repair										
10 Actual	0	15,647	472	2,548	0	113,299	1,542	5,731	0	139,239
11 Projected	0	<u>24,403</u>	<u>50</u>	<u>0</u>	<u>0</u>	<u>121,275</u>	<u>3,150</u>	<u>5,958</u>	0	<u>154,836</u>
12 Total	0	40,050	522	2,548	0	234,574	4,692	11,689	0	294,075
12000419 Residential Electronically Commutated Motors										
14 Actual	0	0	0	0	0	0	0	0	0	0
15 Projected	0	<u>12</u>	<u>0</u>	<u>105</u>	<u>0</u>	<u>460</u>	<u>0</u>	<u>0</u>	0	<u>577</u>
16 Total	0	12	0	105	0	460	0	0	0	577
12000375 Energy Education, Awareness and Agency Outreach										
18 Actual	0	19,572	126	7,111	0	0	728	2,003	0	29,540
19 Projected	0	<u>30,420</u>	<u>600</u>	<u>9,222</u>	<u>0</u>	<u>0</u>	<u>1,950</u>	<u>3,900</u>	0	<u>46,092</u>
20 Total	0	49,992	726	16,333	0	0	2,678	5,903	0	75,632
12000431 Energy Star for New Homes										
22 Actual	0	11,120	0	451	1,250	211,925	295	3,874	0	228,915
23 Projected	0	<u>13,572</u>	<u>0</u>	<u>1,305</u>	<u>0</u>	<u>255,000</u>	<u>325</u>	<u>3,920</u>	0	<u>274,122</u>
24 Total	0	24,692	0	1,756	1,250	466,925	620	7,794	0	503,037
12000349 Residential Heating and Cooling										
26 Actual	0	37,791	0	5,309	0	246,175	326	1,727	0	291,328
27 Projected	0	<u>42,656</u>	<u>120</u>	<u>6,695</u>	<u>0</u>	<u>297,000</u>	<u>320</u>	<u>3,176</u>	0	<u>349,967</u>
28 Total	0	80,447	120	12,004	0	543,175	646	4,903	0	641,295
12000425 Neighborhood Weatherization										
30 Actual	0	49,659	0	536,784	0	1,238,081	2,595	789	0	1,827,908
31 Projected	0	<u>148,812</u>	<u>950</u>	<u>546,000</u>	<u>0</u>	<u>1,294,530</u>	<u>3,090</u>	<u>3,594</u>	0	<u>1,996,976</u>
32 Total	0	198,471	950	1,082,784	0	2,532,611	5,685	4,383	0	3,824,884
12000433 Energy Planner										
34 Actual	793,467	380,446	5,145	323,543	131,945	0	34,501	78,289	0	1,747,336
35 Projected	<u>787,418</u>	<u>443,378</u>	<u>100</u>	<u>215,742</u>	<u>132,000</u>	<u>0</u>	<u>53,340</u>	<u>96,540</u>	0	<u>1,728,518</u>
36 Total	1,580,885	823,824	5,245	539,285	263,945	0	87,841	174,829	0	3,475,854
12000365 Residential Wall Insulation										
38 Actual	0	1,041	0	0	0	15	0	0	0	1,056
39 Projected	0	<u>79</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>1,056</u>	<u>0</u>	<u>10</u>	0	<u>1,192</u>
40 Total	0	1,120	0	47	0	1,071	0	10	0	2,248
12000367 Residential Window Replacement										
42 Actual	0	34,674	0	2,929	0	241,547	234	2	0	279,386
43 Projected	0	<u>24,740</u>	<u>0</u>	<u>2,632</u>	<u>0</u>	<u>272,700</u>	<u>340</u>	<u>0</u>	0	<u>300,412</u>
44 Total	0	59,414	0	5,561	0	514,247	574	2	0	579,798
12000421 Residential HVAC Re-Commissioning										
46 Actual	0	2,603	0	0	0	0	0	0	0	2,603
47 Projected	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>0</u>
48 Total	0	2,603	0	0	0	0	0	0	0	2,603
12000373 Residential Window Film										
50 Actual	0	7,021	0	0	0	431	0	0	0	7,452
51 Projected	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>0</u>
52 Total	0	7,021	0	0	0	431	0	0	0	7,452
12000351 Prime Time										
54 Actual	0	84,450	11,421	934,890	0	413,234	10,377	21,252	0	1,475,624
55 Projected	0	<u>105,449</u>	<u>0</u>	<u>94,600</u>	<u>0</u>	<u>8,000</u>	<u>0</u>	<u>18,882</u>	0	<u>226,931</u>
56 Total	0	189,899	11,421	1,029,490	0	421,234	10,377	40,134	0	1,702,555
12000397 Commercial Ceiling Insulation										
58 Actual	0	3,927	0	24	0	30,321	0	0	0	34,272
59 Projected	0	<u>2,910</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,400</u>	<u>300</u>	<u>0</u>	0	<u>8,610</u>
60 Total	0	6,837	0	24	0	35,721	300	0	0	42,882
12000411 Commercial Chiller										
62 Actual	0	709	0	12	0	8,760	0	0	0	9,481
63 Projected	0	<u>1,129</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>15,550</u>	<u>150</u>	<u>100</u>	0	<u>16,929</u>
64 Total	0	1,838	0	12	0	24,310	150	100	0	26,410
12000371 Cogeneration										
66 Actual	0	35,187	0	0	0	0	381	0	0	35,568
67 Projected	0	<u>22,614</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>22,614</u>
68 Total	0	57,801	0	0	0	0	381	0	0	58,182
12000389 Conservation Value										
70 Actual	0	4,675	0	24	0	99,603	0	0	0	104,302
71 Projected	0	<u>7,470</u>	<u>0</u>	<u>3,252</u>	<u>0</u>	<u>100,000</u>	<u>150</u>	<u>0</u>	0	<u>110,872</u>
72 Total	0	12,145	0	3,276	0	199,603	150	0	0	215,174

DOCKET NO. 160002-EG
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TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000443 Cool Roof											
74	Actual	0	14,000	0	512	0	51,428	117	6	0	66,063
75	Projected	0	<u>14,853</u>	0	0	0	<u>70,000</u>	<u>300</u>	0	0	<u>85,153</u>
76	Total	0	28,853	0	512	0	121,428	417	6	0	151,216
12000429 Commercial Cooling											
78	Actual	0	4,149	0	119	0	1,142	0	612	0	6,022
79	Projected	0	<u>984</u>	0	0	0	<u>2,100</u>	<u>150</u>	<u>50</u>	0	<u>3,284</u>
80	Total	0	5,133	0	119	0	3,242	150	662	0	9,306
12000409 Demand Response											
82	Actual	0	8,216	0	1,836,000	0	0	155	1,548	0	1,845,919
83	Projected	0	<u>26,200</u>	0	0	0	<u>1,836,000</u>	<u>600</u>	0	0	<u>1,862,800</u>
84	Total	0	34,416	0	1,836,000	0	1,836,000	755	1,548	0	3,708,719
12000377 Commercial Duct Repair											
86	Actual	0	6,375	0	71	0	16,950	0	0	0	23,396
87	Projected	0	<u>5,234</u>	0	0	0	<u>7,050</u>	<u>240</u>	<u>300</u>	0	<u>12,824</u>
88	Total	0	11,609	0	71	0	24,000	240	300	0	36,220
12000441 Commercial ECM											
90	Actual	0	2,792	0	190	0	17,230	0	42	0	20,254
91	Projected	0	<u>820</u>	0	<u>500</u>	0	<u>750</u>	<u>50</u>	0	0	<u>2,120</u>
92	Total	0	3,612	0	690	0	17,980	50	42	0	22,374
12000379 Industrial Load Management (GLSM 2&3)											
94	Actual	6,628	8,183	14,750	2,699	0	7,806,430	6,357	4,894	0	7,849,941
95	Projected	<u>6,374</u>	<u>7,860</u>	0	0	0	<u>7,305,600</u>	<u>600</u>	0	0	<u>7,320,434</u>
96	Total	13,002	16,043	14,750	2,699	0	15,112,030	6,957	4,894	0	15,170,375
12000385 Lighting Conditioned Space											
98	Actual	0	31,936	215	3,266	0	138,458	952	1,496	0	176,323
99	Projected	0	<u>27,196</u>	0	0	0	<u>90,300</u>	<u>246</u>	<u>200</u>	0	<u>117,942</u>
100	Total	0	59,132	215	3,266	0	228,758	1,198	1,696	0	294,265
12003201 Lighting Non-Conditioned Space											
102	Actual	0	0	0	0	0	21,013	199	222	0	21,434
103	Projected	0	<u>14,958</u>	0	0	0	<u>17,325</u>	<u>300</u>	<u>100</u>	0	<u>32,683</u>
104	Total	0	14,958	0	0	0	38,338	499	322	0	54,117
12000413 Lighting Occupancy Sensors											
106	Actual	0	1,246	0	102	0	9,650	23	72	0	11,093
107	Projected	0	<u>1,469</u>	0	0	0	<u>12,000</u>	<u>150</u>	<u>50</u>	0	<u>13,669</u>
108	Total	0	2,715	0	102	0	21,650	173	122	0	24,762
12000383 CILM (GLSM 1)											
110	Actual	0	1,143	0	0	0	2,930	2,258	0	0	6,331
111	Projected	0	<u>6,918</u>	0	0	0	<u>4,000</u>	<u>150</u>	<u>5,000</u>	0	<u>16,068</u>
112	Total	0	8,061	0	0	0	6,930	2,408	5,000	0	22,399
12000415 Refrigeration Anti-condensate Control											
114	Actual	0	29	0	12	0	0	0	0	0	41
115	Projected	0	<u>214</u>	0	0	0	<u>1,500</u>	0	0	0	<u>1,714</u>
116	Total	0	243	0	12	0	1,500	0	0	0	1,755
12000387 Standby Generator											
118	Actual	0	11,562	111	261	0	1,480,627	23	368	0	1,492,952
119	Projected	0	<u>43,230</u>	0	0	0	<u>1,502,580</u>	<u>180</u>	0	0	<u>1,545,990</u>
120	Total	0	54,792	111	261	0	2,983,207	203	368	0	3,038,942
12003202 Thermal Energy Storage											
122	Actual	0	0	215	0	0	0	0	328	0	543
123	Projected	0	<u>5,307</u>	0	<u>540</u>	0	<u>40,000</u>	<u>250</u>	0	0	<u>46,097</u>
124	Total	0	5,307	215	540	0	40,000	250	328	0	46,640
12000399 Commercial Wall Insulation											
126	Actual	0	0	0	12	0	0	0	0	0	12
127	Projected	0	<u>164</u>	0	0	0	<u>2,000</u>	<u>50</u>	0	0	<u>2,214</u>
128	Total	0	164	0	12	0	2,000	50	0	0	2,226
12000417 Commercial Water Heating											
130	Actual	0	29	0	12	0	0	0	0	0	41
131	Projected	0	<u>164</u>	0	0	0	<u>1,200</u>	<u>25</u>	0	0	<u>1,389</u>
132	Total	0	193	0	12	0	1,200	25	0	0	1,430
12000427 Conservation Research and Development											
134	Actual	0	0	0	0	0	0	0	0	0	0
135	Projected	0	0	0	0	0	0	0	0	0	0
136	Total	0	0	0	0	0	0	0	0	0	0
12000393 Renewable Energy Program											
138	Actual	0	15,101	0	9,178	5,237	0	2,208	44,380	(80,480)	(4,376)
139	Projected	0	<u>15,720</u>	0	<u>204,810</u>	0	0	<u>372</u>	0	<u>(220,902)</u>	0
140	Total	0	30,821	0	213,988	5,237	0	2,580	44,380	(301,382)	(4,376)

TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000403-1: Renewable Energy Systems Initiative											
142	Actual	0	13,708	0	6,355	0	8,000	27	4	0	28,094
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	13,708	0	6,355	0	8,000	27	4	0	28,094
12000437 Commercial Exit Signs											
142	Actual	0	325	0	0	0	314	0	0	0	639
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	325	0	0	0	314	0	0	0	639
12000439 Commercial HVAC Re-commissioning											
142	Actual	0	1,221	0	0	0	825	0	0	0	2,046
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	1,221	0	0	0	825	0	0	0	2,046
12000401 Commercial Motors											
142	Actual	0	29	0	0	0	0	0	612	0	641
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	29	0	0	0	0	0	612	0	641
12000435 Commercial Roof Insulation											
142	Actual	0	0	0	0	0	0	36,288	0	0	36,288
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	0	0	0	0	0	36,288	0	0	36,288
12000395 Commercial Window Film											
142	Actual	0	60	0	12	0	6,461	0	0	0	6,533
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	60	0	12	0	6,461	0	0	0	6,533
12000347 Common Expenses											
142	Actual	0	286,487	6,503	227,769	0	0	430	30,492	0	551,681
143	Projected	0	<u>248,680</u>	<u>100</u>	<u>194,400</u>	0	0	<u>600</u>	<u>12,500</u>	0	<u>456,280</u>
144	Total	0	535,167	6,603	422,169	0	0	1,030	42,992	0	1,007,961
137	Total All Programs	<u>1,593,887</u>	<u>3,631,369</u>	<u>48,649</u>	<u>5,376,149</u>	<u>972,295</u>	<u>25,688,010</u>	<u>335,980</u>	<u>411,907</u>	<u>(301,382)</u>	<u>37,756,864</u>

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

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		84,005	109,085	127,551	61,833	46,833	87,818	113,500	113,500	113,500	113,500	113,500	113,500	1,198,126
2. Retirements		17,891	209,735	27,109	66,811	78,805	160,945	42,603	190,316	78,392	100,525	58,954	81,050	1,113,136
3. Depreciation Base		6,404,703	6,304,053	6,404,495	6,399,517	6,367,545	6,294,418	6,365,315	6,288,499	6,323,607	6,336,582	6,391,128	6,423,578	
4. Depreciation Expense		<u>106,194</u>	<u>105,906</u>	<u>105,905</u>	<u>106,700</u>	<u>106,392</u>	<u>105,516</u>	<u>105,498</u>	<u>105,448</u>	<u>105,101</u>	<u>105,502</u>	<u>106,064</u>	<u>106,789</u>	<u>1,271,015</u>
5. Cumulative Investment	6,338,588	6,404,703	6,304,053	6,404,495	6,399,517	6,367,545	6,294,418	6,365,315	6,288,499	6,323,607	6,336,582	6,391,128	6,423,578	6,423,578
6. Less: Accumulated Depreciation	2,813,057	<u>2,901,360</u>	<u>2,797,531</u>	<u>2,876,327</u>	<u>2,916,216</u>	<u>2,943,803</u>	<u>2,888,374</u>	<u>2,951,269</u>	<u>2,866,401</u>	<u>2,893,110</u>	<u>2,898,087</u>	<u>2,945,197</u>	<u>2,970,936</u>	<u>2,970,936</u>
7. Net Investment	<u>3,525,531</u>	<u>3,503,343</u>	<u>3,506,522</u>	<u>3,528,168</u>	<u>3,483,301</u>	<u>3,423,742</u>	<u>3,406,044</u>	<u>3,414,046</u>	<u>3,422,098</u>	<u>3,430,497</u>	<u>3,438,495</u>	<u>3,445,931</u>	<u>3,452,642</u>	<u>3,452,642</u>
8. Average Investment		3,514,437	3,504,933	3,517,345	3,505,735	3,453,522	3,414,893	3,410,045	3,418,072	3,426,298	3,434,496	3,442,213	3,449,287	
9. Return on Average Investment - Equity Component		20,660	20,604	20,677	20,608	20,302	20,074	19,970	20,017	20,065	20,113	20,158	20,199	243,447
10. Return on Average Investment - Debt Component		<u>5,702</u>	<u>5,687</u>	<u>5,707</u>	<u>5,688</u>	<u>5,604</u>	<u>5,541</u>	5,384	5,397	5,410	5,422	5,435	5,446	<u>66,423</u>
Total Depreciation and Return		<u>132,556</u>	<u>132,197</u>	<u>132,289</u>	<u>132,996</u>	<u>132,298</u>	<u>131,131</u>	<u>130,852</u>	<u>130,862</u>	<u>130,576</u>	<u>131,037</u>	<u>131,657</u>	<u>132,434</u>	<u>1,580,885</u>

NOTES:

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

Line 9 x 7.0273% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

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	0	0	0	0	0	0	0	0	0
3. Depreciation Base		55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	
4. Depreciation Expense		<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>11,028</u>
5. Cumulative Investment	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126
6. Less: Accumulated Depreciation	27,590	<u>28,509</u>	<u>29,428</u>	<u>30,347</u>	<u>31,266</u>	<u>32,185</u>	<u>33,104</u>	<u>34,023</u>	<u>34,942</u>	<u>35,861</u>	<u>36,780</u>	<u>37,699</u>	<u>38,618</u>	<u>38,618</u>
7. Net Investment	<u>27,536</u>	<u>26,617</u>	<u>25,698</u>	<u>24,779</u>	<u>23,860</u>	<u>22,941</u>	<u>22,022</u>	<u>21,103</u>	<u>20,184</u>	<u>19,265</u>	<u>18,346</u>	<u>17,427</u>	<u>16,508</u>	<u>16,508</u>
8. Average Investment		27,076	26,158	25,239	24,320	23,401	22,482	21,563	20,644	19,725	18,806	17,887	16,968	
9. Return on Average Investment - Equity Component		159	154	148	143	138	132	126	121	116	110	105	99	1,551
10. Return on Average Investment - Debt Component		<u>44</u>	<u>42</u>	<u>41</u>	<u>39</u>	<u>38</u>	<u>36</u>	34	33	31	30	28	27	<u>423</u>
Total Depreciation and Return		<u>1,122</u>	<u>1,115</u>	<u>1,108</u>	<u>1,101</u>	<u>1,095</u>	<u>1,087</u>	<u>1,079</u>	<u>1,073</u>	<u>1,066</u>	<u>1,059</u>	<u>1,052</u>	<u>1,045</u>	<u>13,002</u>

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 7.0273% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).
Line 10 x 1.8946% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

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
12000353- Energy Audits (E)	76,420	225,624	198,200	162,407	226,976	190,835	202,612	219,559	212,085	205,179	185,016	198,099	2,303,013
12000381 Residential Ceiling Insulation	31,791	16,708	20,364	24,333	24,583	32,841	27,091	49,005	27,091	22,837	43,559	18,418	338,621
12000391 Residential Duct Repair	13,634	32,701	14,038	15,180	17,511	46,176	20,126	33,189	20,126	33,239	17,579	30,577	294,075
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	223	0	118	118	118	577
12000375 Energy Education, Awareness and Agency Outreach	3,908	6,506	4,853	4,005	6,093	4,174	6,638	8,138	7,503	8,281	8,343	7,189	75,632
12000431 Energy Star for New Homes	49,381	15,423	46,756	46,431	25,036	45,889	45,365	45,165	45,030	45,030	48,430	45,102	503,037
12000349 Residential Heating and Cooling	50,881	37,857	43,350	53,078	50,746	55,416	77,305	77,305	48,159	48,759	48,959	49,480	641,295
12000425 Neighborhood Weatherization	221,304	397,210	289,253	291,777	337,169	291,195	356,356	311,706	355,706	310,736	353,736	308,736	3,824,884
12000433 Energy Planner	348,760	284,269	310,162	253,308	276,368	274,468	282,670	282,630	289,942	290,453	291,023	291,800	3,475,854
12000365 Residential Wall Insulation	106	148	253	174	222	153	176	176	223	176	176	265	2,248
12000367 Residential Window Replacement	39,968	39,925	40,249	57,344	54,420	47,480	50,054	50,054	50,054	50,101	50,054	50,095	579,798
12000421 Residential HVAC Re-Commissioning	216	456	612	468	444	407	0	0	0	0	0	0	2,603
12000373 Residential Window Film	999	1,387	1,681	1,342	964	1,079	0	0	0	0	0	0	7,452
12000351 Prime Time	339,323	322,049	358,362	197,813	156,224	101,852	47,071	36,141	34,737	34,374	35,350	39,258	1,702,555
12000397 Commercial Ceiling Insulation	798	429	7,029	23,484	466	2,067	1,435	1,435	1,435	1,435	1,435	1,435	42,882
12000411 Commercial Chiller	68	117	56	113	9,127	0	25	6,762	5,755	4,337	25	25	26,410
12000371 Cogeneration	3,296	6,065	8,058	6,381	5,526	6,242	3,769	3,769	3,769	3,769	3,769	3,769	58,182
12000389 Conservation Value	87,278	1,096	13,705	732	867	624	1,812	1,812	51,812	51,812	1,812	1,812	215,174
12000443 Cool Roof	34,502	10,975	11,855	2,605	4,251	1,876	8,535	8,535	8,535	17,021	17,021	25,506	151,216
12000429 Commercial Cooling	610	1,067	1,815	2,006	469	56	539	539	589	539	539	539	9,306
12000409 Demand Response	306,693	307,659	307,911	308,904	307,387	307,364	311,340	311,340	311,340	311,340	308,720	308,720	3,708,719
12000377 Commercial Duct Repair	8,039	9,430	1,844	1,310	1,846	926	2,181	2,704	3,226	1,919	1,397	1,397	36,219
12000441 Commercial ECM	12	14,029	5,597	438	136	42	424	424	0	424	424	424	22,374
12000379 Industrial Load Management (GLSM 2&3)	1,381,033	1,363,819	1,236,929	1,282,121	1,185,373	1,400,666	1,220,089	1,220,083	1,220,076	1,220,069	1,220,062	1,220,055	15,170,375
12000385 Lighting Conditioned Space	26,132	53,604	11,575	20,847	17,707	46,459	21,600	21,600	29,400	18,820	13,261	13,261	294,266
12003201 Lighting Non-Conditioned Space	5,467	2,007	171	4,651	1,985	7,153	8,254	8,254	3,985	6,070	3,060	3,060	54,117
12000413 Lighting Occupancy Sensors	18	3,158	920	1,859	877	4,261	3,366	4,984	1,798	1,748	25	1,748	24,762
12000383 CILM (GLSM 1)	1,323	431	418	1,424	1,373	1,362	2,153	2,153	2,153	2,203	1,203	6,203	22,399
12000415 Refrigeration Anti-condensate Control	12	0	0	0	29	0	1,714	0	0	0	0	0	1,755
12000387 Standby Generator	249,148	250,521	248,685	251,130	246,932	246,536	257,665	257,665	257,665	257,665	257,665	257,665	3,038,942
12003202 Thermal Energy Storage	0	0	328	0	215	0	524	1,245	524	42,035	1,245	524	46,640
12000399 Commercial Wall Insulation	12	0	0	0	0	0	2,214	0	0	0	0	0	2,226
12000417 Commercial Water Heating	12	0	0	0	29	0	0	0	0	0	0	1,389	1,430
12000427 Conservation Research and Development	0	0	0	0	0	0	0	0	0	0	0	0	0
12000393 Renewable Energy Program	(11,597)	(10,438)	643	(9,781)	(9,221)	36,018	0	0	0	0	0	0	(4,376)
12000403- Renewable Energy Systems Initiative	5,243	10,216	2,937	0	9,667	31	0	0	0	0	0	0	28,094
12000437 Commercial Exit Signs	0	325	0	0	314	0	0	0	0	0	0	0	639
12000439 Commercial HVAC Re-commissioning	195	732	1,118	0	0	0	0	0	0	0	0	0	2,046
12000401 Commercial Motors	0	0	612	0	29	0	0	0	0	0	0	0	641
12000435 Commercial Roof Insulation	6,048	6,048	6,048	6,048	6,048	6,048	0	0	0	0	0	0	36,288
12000395 Commercial Window Film	6,533	0	0	0	0	0	0	0	0	0	0	0	6,533
12000347 Common Expenses	44,674	59,882	160,877	67,479	61,114	157,655	174,622	51,348	50,340	79,199	50,390	50,381	1,007,961
Total	3,332,241	3,471,433	3,357,265	3,079,412	3,029,302	3,317,350	3,137,725	3,017,943	3,043,058	3,069,688	2,964,396	2,937,050	37,756,864
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conservation Expenses	<u>3,332,241</u>	<u>3,471,433</u>	<u>3,357,265</u>	<u>3,079,412</u>	<u>3,029,302</u>	<u>3,317,350</u>	<u>3,137,725</u>	<u>3,017,943</u>	<u>3,043,058</u>	<u>3,069,688</u>	<u>2,964,396</u>	<u>2,937,050</u>	<u>37,756,864</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of True-up

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

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. Residential 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>2,519,384</u>	<u>2,366,158</u>	<u>2,225,204</u>	<u>2,353,210</u>	<u>2,582,568</u>	<u>3,052,555</u>	<u>3,127,476</u>	<u>3,127,374</u>	<u>3,204,815</u>	<u>2,829,374</u>	<u>2,364,884</u>	<u>2,347,504</u>	<u>32,100,505</u>
3. Total Revenues	2,519,384	2,366,158	2,225,204	2,353,210	2,582,568	3,052,555	3,127,476	3,127,374	3,204,815	2,829,374	2,364,884	2,347,504	32,100,505
4. Prior Period True-up	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,779</u>	<u>6,249,403</u>
5. Conservation Revenue Applicable to Period	3,040,168	2,886,942	2,745,988	2,873,994	3,103,352	3,573,339	3,648,260	3,648,158	3,725,599	3,350,158	2,885,668	2,868,283	38,349,908
6. Conservation Expenses (C-3, Page 4, Line 14)	<u>3,332,240</u>	<u>3,471,433</u>	<u>3,357,258</u>	<u>3,079,411</u>	<u>3,029,301</u>	<u>3,317,350</u>	<u>3,137,725</u>	<u>3,017,943</u>	<u>3,043,058</u>	<u>3,069,688</u>	<u>2,964,396</u>	<u>2,937,050</u>	<u>37,756,853</u>
7. True-up This Period (Line 5 - Line 6)	(292,072)	(584,491)	(611,270)	(205,417)	74,051	255,989	510,535	630,215	682,541	280,470	(78,728)	(68,767)	593,055
8. Interest Provision This Period (C-3, Page 6, Line 10)	1,205	915	567	213	19	(101)	(212)	(257)	(167)	(193)	(475)	(873)	641
9. True-up & Interest Provision Beginning of Period	4,056,772	3,245,121	2,140,761	1,009,274	283,286	(163,428)	(428,324)	(438,785)	(329,611)	(168,021)	(408,528)	(1,008,515)	4,056,772
10. Prior Period True-up Collected/(Refunded)	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,779)</u>	<u>(6,249,403)</u>
11. End of Period Total - Over/(Under) Recovered	<u>3,245,121</u>	<u>2,140,761</u>	<u>1,009,274</u>	<u>283,286</u>	<u>(163,428)</u>	<u>(428,324)</u>	<u>(438,785)</u>	<u>(329,611)</u>	<u>(168,021)</u>	<u>(408,528)</u>	<u>(1,008,515)</u>	<u>(1,598,934)</u>	<u>(1,598,935)</u>

Previous EOP Change
 * Net of Revenue Taxes

(A) Included in Line 6

Summary of Allocation	Forecast	Ratio	True Up
Demand	25,132,960	0.66	(1,055,297)
Energy	<u>13,061,369</u>	<u>0.34</u>	<u>(543,638)</u>
Total	<u>38,194,329</u>	<u>1.00</u>	<u>(1,598,935)</u>

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Energy Conservation Adjustment
 Calculation of Interest Provision
 Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

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)	\$4,056,772	\$3,245,121	\$2,140,761	\$1,009,274	\$283,286	(\$163,428)	(\$428,324)	(\$438,785)	(\$329,611)	(\$168,021)	(\$408,528)	(\$1,008,515)	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	<u>3,243,916</u>	<u>2,139,846</u>	<u>1,008,707</u>	<u>283,073</u>	<u>(163,447)</u>	<u>(428,223)</u>	<u>(438,573)</u>	<u>(329,354)</u>	<u>(167,854)</u>	<u>(408,335)</u>	<u>(1,008,040)</u>	<u>(1,598,061)</u>	
3. Total Beginning & Ending True-up	<u>\$7,300,688</u>	<u>\$5,384,967</u>	<u>\$3,149,468</u>	<u>\$1,292,347</u>	<u>\$119,839</u>	<u>(\$591,651)</u>	<u>(\$866,897)</u>	<u>(\$768,139)</u>	<u>(\$497,465)</u>	<u>(\$576,356)</u>	<u>(\$1,416,568)</u>	<u>(\$2,606,576)</u>	
4. Average True-up Amount (50% of Line 3)	<u>\$3,650,344</u>	<u>\$2,692,484</u>	<u>\$1,574,734</u>	<u>\$646,174</u>	<u>\$59,920</u>	<u>(\$295,826)</u>	<u>(\$433,449)</u>	<u>(\$384,070)</u>	<u>(\$248,733)</u>	<u>(\$288,178)</u>	<u>(\$708,284)</u>	<u>(\$1,303,288)</u>	
5. Interest Rate - First Day of Month	<u>0.400%</u>	0.400%	0.420%	0.440%	0.340%	0.430%	0.380%	0.800%	0.800%	0.800%	0.800%	0.800%	
6. Interest Rate - First Day of Next Month	<u>0.400%</u>	<u>0.420%</u>	<u>0.440%</u>	<u>0.340%</u>	<u>0.430%</u>	<u>0.380%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	
7. Total (Line 5 + Line 6)	<u>0.800%</u>	<u>0.820%</u>	<u>0.860%</u>	<u>0.780%</u>	<u>0.770%</u>	<u>0.810%</u>	<u>1.180%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	
8. Average Interest Rate (50% of Line 7)	<u>0.400%</u>	<u>0.410%</u>	<u>0.430%</u>	<u>0.390%</u>	<u>0.385%</u>	<u>0.405%</u>	<u>0.590%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	
9. Monthly Average Interest Rate (Line 8/12)	<u>0.00033</u>	<u>0.00034</u>	<u>0.00036</u>	<u>0.00033</u>	<u>0.00032</u>	<u>0.00034</u>	<u>0.00049</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	
10. Interest Provision (Line 4 x Line 9)	<u>\$1,205</u>	<u>\$915</u>	<u>\$567</u>	<u>\$213</u>	<u>\$19</u>	<u>(\$101)</u>	<u>(\$212)</u>	<u>(\$257)</u>	<u>(\$167)</u>	<u>(\$193)</u>	<u>(\$475)</u>	<u>(\$873)</u>	<u>\$641</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation
 Calculation of Conservation Revenues

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,507,012	-	2,519,384
February	1,359,534	-	2,366,158
March	1,298,063	-	2,225,204
April	1,411,115	-	2,353,210
May	1,520,108	-	2,582,568
June	1,800,205	-	3,052,555
July	1,851,022	-	3,127,476
August	1,853,811	-	3,127,374
September	1,904,945	-	3,204,815
October	1,679,910	-	2,829,374
November	1,408,899	-	2,364,884
December	1,391,834	-	2,347,504
Total	<u>18,986,458</u>	<u>0</u>	<u>32,100,506</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, 2016 to December 31, 2016

During this period the following energy audit participation is projected:

Residential Walk-Through:	7,443
Residential Customer Assisted:	678
Residential Computer Assisted:	6
BERS:	1

January 1, 2017 to December 31, 2017

During this period the following energy audit participation is projected:

Residential Walk-Through:	7,800
Residential Customer Assisted:	500
Residential Computer Assisted:	10
BERS:	1

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,084,247.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$2,095,882.

Program Progress Summary:

Through December 31, 2015 the following Residential Energy Audit totals are:

Residential Walk-Through:	307,727
Residential Customer Assisted ⁽¹⁾ :	121,538
Residential Computer Assisted:	3,895
<u>BERS:</u>	<u>80</u>
Total:	433,240

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, 2016 to December 31, 2016

During this period, there are 1,352 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,255 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$338,621.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$320,800.

Program Progress Summary:

Through December 31, 2015 the following Residential Ceiling Insulation totals are:

Residential Ceiling Insulation: 120,530

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, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

During this period, there are 1,530 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$294,075.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$324,755.

Program Progress Summary:

Through December 31, 2015 the following Residential Duct Repair totals are:
Residential Duct Repair: 97,929

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, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$577.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$220.

Program Progress Summary:

Through December 31, 2015 the following Residential Electronically Commutated Motors (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, 2016 to December 31, 2016

During this period, there are 764 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 500 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$75,632.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$100,946.

Program Progress Summary:

Through December 31, 2015, Tampa Electric has partnered with 107 local schools to present Energy Education to 34,126 students. In addition, the company gave 119 presentations to civic organizations that generated 637 customer assisted audits and distributed 4,593 energy savings kits to participating customers.

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, 2016 to December 31, 2016

During this period, there are 545 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,000 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$503,037.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$892,042.

Program Progress Summary:

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

ENERGY STAR for New Homes: 11,768

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, 2016 to December 31, 2016

During this period, there are 4,406 units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 4,200 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$641,295.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$667,653.

Program Progress Summary:

Through December 31, 2015 the following Residential Heating and Cooling totals are:

Residential Heating and Cooling: 194,361

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, 2016 to December 31, 2016

During this period, there are 6,342 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 6,250 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,824,884.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$4,057,004.

Program Progress Summary:

Through December 31, 2015 the following Neighborhood Weatherization totals are:

Neighborhood Weatherization: 23,887

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 usage changes by pre-programming HVAC, water heating and pool pumps.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 5,296 projected customers for this program on a cumulative basis.

January 1, 2017 to December 31, 2017

During this period, there are 6,296 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,475,854.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,400,979.

Program Progress Summary:

Through December 31, 2015 the following Energy Planner totals are:
Energy Planner Participating Customers: 3,913

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, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,248.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$1,963.

Program Progress Summary:

Through December 31, 2015 the following Residential Wall Insulation totals are:
Residential Wall Insulation: 185

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, 2016 to December 31, 2016

During this period, there are 1,856 customers projected to participate.

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$579,798.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$605,562.

Program Progress Summary:

Through December 31, 2015 the following Residential Window Replacement totals are:

Residential Window Replacement: 10,307

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, 2016 to December 31, 2016

With the approval of Consummating Order PSC-15004340CO-EG on October 12, 2015. Tampa Electric proceeded with the phased closure of the Prime Time Program at that time. In 2016, Tampa Electric removed the remaining 13,579 customers from the program between January 1 and May 11, 2016.

January 1, 2017 to December 31, 2017

This program was retired.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,702,555.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$138,596.

Program Progress

Summary:

Through December 31, 2015 the following Prime Time totals are:
Prime Time Participating Customers: 13,579

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, 2016 to December 31, 2016

During this period the following energy audit participation is projected:

Commercial/Industrial (Free):	744
Comprehensive Commercial/Industrial (Paid):	6

January 1, 2017 to December 31, 2017

During this period the following energy audit participation is projected:

Commercial/Industrial (Free):	870
Comprehensive Commercial/Industrial (Paid):	8

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$218,766.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$327,007.

Program Progress Summary:

Through December 31, 2015 the following Commercial/Industrial Energy Audit totals are:

Commercial/Industrial (Free):	23,434
Comprehensive Commercial/Industrial (Paid):	233
<u>Commercial Mail-in</u>	<u>1,477</u>
Commercial/Industrial Total	25,144

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/industrial customers to install additional ceiling insulation in existing commercial structures.

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

During this period, there are 15 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$42,882.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$22,860.

Program Progress Summary:

Through December 31, 2015 the following Commercial Ceiling Insulation totals are:

Commercial Ceiling Insulation: 292

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

During this period, there are 11 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$26,410.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$41,855.

Program Progress Summary:

Through December 31, 2015 the following Commercial Chiller totals are:
Commercial Chiller: 56

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, 2016 to December 31, 2016

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, 2017 to December 31, 2017

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, 2016 to December 31, 2016

Expenditures are estimated to be \$58,182.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$45,138.

Program Progress Summary:

The projected total maximum generation by electrically interconnected cogeneration during 2016 will be approximately 450 MW of nameplate capacity. 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. Currently there are ten separate locations with cogeneration on-line in Tampa Electric's service area.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$215,174.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$198,860.

Program Progress Summary:

Through December 31, 2015 the following Conservation Value totals are:
Conservation Value: 51

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOL ROOF

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

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 18 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 25 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$151,216.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$234,076.

Program Progress Summary:

Through December 31, 2015 the following Commercial Cool Roof totals are:
Commercial Cool Roof: 194

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

During this period, there are 16 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$9,306.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$5,680.

Program Progress Summary:

Through December 31, 2015 the following Commercial Cooling totals are:
Commercial Cooling: 2,289

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DEMAND RESPONSE

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,708,719.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,728,800.

Program Progress Summary:

Through December 31, 2015, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

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

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 132 repairs projected to be made.

January 1, 2017 to December 31, 2017

During this period, there are 130 repairs projected to be made.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$36,220.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$31,724.

Program Progress Summary:

Through December 31, 2015 the following Commercial Duct Repair totals are:
Commercial Duct Repair: 10,934

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$22,374.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$10,288.

Program Progress Summary:

Through December 31, 2015 the following Commercial Electronically Commutated Motors (ECM) totals are:

Commercial ECM: 85

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's electrical load.

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$15,170,375.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$14,640,129.

Program Progress Summary:

Through December 31, 2015, there are 40 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING CONDITIONED SPACE

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

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 114 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 75 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$294,265.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$216,967.

Program Progress Summary:

Through December 31, 2015 the following Lighting Conditioned Space totals are:
Lighting Conditioned Space: 1,785

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING NON-CONDITIONED SPACE

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

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 50 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 50 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$54,117.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$79,139.

Program Progress Summary:

Through December 31, 2015 the following Lighting Non-Conditioned Space totals are:

Lighting Non-Conditioned Space: 153

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING OCCUPANCY SENSORS

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

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 19 units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 15 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$24,762.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$13,665.

Program Progress Summary:

Through December 31, 2015 the following Lighting Occupancy Sensors totals are:
Lighting Occupancy Sensors: 200

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: An incentive program that encourages commercial/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, 2016 to December 31, 2016

During this period, there are zero new installations projected.

January 1, 2017 to December 31, 2017

During this period, there are zero new installations projected.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$22,399.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$67,687.

Program Progress

Summary:

In 2017 Tampa Electric will explore a new technology/communication platform that will support the Commercial Load Management program. Through December 31, 2015 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/industrial customers to install anti-condensate equipment sensors and control within refrigerated door systems.

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,755.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,478.

Program Progress Summary:

Through December 31, 2015 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, 2016 to December 31, 2016

During this period, there are two new installations projected.

January 1, 2017 to December 31, 2017

During this period, there is one new installation projected.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,038,942.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,139,830.

Program Progress Summary:

Through December 31, 2015 the following Standby Generator totals are:
Standby Generator Participating Customers: 96

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$46,640.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$216,595.

Program Progress Summary:

Through December 31, 2015 the following Thermal Energy Storage totals are:
Thermal Energy Storage: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WALL INSULATION

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

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,226.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,214.

Program Progress Summary:

Through December 31, 2015 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/industrial customers to install high efficiency water heating systems.

Program Projections: January 1, 2016 to December 31, 2016

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

January 1, 2017 to December 31, 2017

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

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,430.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$6,717.

Program Progress Summary:

Through December 31, 2015 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, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$7,294.

Program Progress Summary: Currently, Tampa Electric has no active R&D programs. The company continues to review possible programs to research.

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, 2016 to December 31, 2016

During this period, there are 1,825 projected customers with 2,725 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, 2017 to December 31, 2017

During this period, there are 1,800 projected customers with 2,700 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, 2016 to December 31, 2016

During this period, the company anticipates excess revenues of approximately \$200,000 to be used for new renewable generation.

January 1, 2017 to December 31, 2017

During this period, the company anticipates excess revenues of approximately \$192,000 to be used for new renewable generation.

Program Progress Summary:

Through December 31, 2015, there were 1,860 customers with 2,753 blocks subscribed. In addition, there were 3,738 blocks of renewable energy purchased on a one-time basis.

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, 2016 to December 31, 2016

Expenditures are estimated to be \$1,007,961.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$668,036.

Program Progress Summary: N/A

2017 GSLM Incentive Calculation

Annual KW Reduction 31,676
Annual Incentive \$316,008
Dollar Per KW \$9.976362

Month	KW Reduction	Incentive
Jan	2,135	21,301
Feb	2,135	21,301
Mar	2,135	21,301
Apr	3,000	29,929
May	3,000	29,929
Jun	3,000	29,929
Jul	3,000	29,929
Aug	3,000	29,929
Sep	3,000	29,929
Oct	3,000	29,929
Nov	2,135	21,301
Dec	2,135	21,301
Total		316,008

2017 \$/kW Filing⁽¹⁾ \$9.98

⁽¹⁾Rounded to the nearest cent.

INPUT DATA - PART 1
PROGRAM TITLE: Contracted Credit Value Calculation

PSC FORM CE 1.1

PAGE 1 OF 1

RUN DATE: August 1, 2016

PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	3,000.000 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	3,017.806 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	7.00 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	668,263 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.20 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	633,514 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.3834
II. (5) K FACTOR FOR T & D	1.3834
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	122,946.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	4,104.00 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.40 %
III. (4) CUSTOMER EQUIPMENT COST	42,000.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.60 %
III. (6) CUSTOMER O & M COST	0.00 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.60 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0.00 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0.00 %
III. (10)* INCREASED SUPPLY COSTS	0.00 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0.00 %
III. (12)* UTILITY DISCOUNT RATE	0.06976
III. (13)* UTILITY AFUDC RATE	0.0646
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	0.00 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	316,008.14 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.00 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2016
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2020
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2017
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	667.64 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	38.32 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	69.94 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.40 %
IV. (8) GENERATOR FIXED O & M COST	11.97 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.40 %
IV. (10) TRANSMISSION FIXED O & M COST	3.00 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	11.27 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.40 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.193 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.40 %
IV. (15) GENERATOR CAPACITY FACTOR	2.60 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.08 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.47 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0.00 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0.00 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	2.012 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1.00 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.430 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1.00 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.00

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	20.92
(2)* PARTICIPANT NET BENEFITS (NPV)	15,157
(3)* RIM TEST - BENEFIT/COST RATIO	1.20

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DOCKET NO. 160002-EG
 ECCR 2017 PROJECTION
 CALCULATION OF GSLM CCV
 EXHIBIT MRR-2, PAGE 2 OF 5

TOTAL RESOURCE COST TESTS
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.3
Page 1 of 1
August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2016	0	125	42	0	167	0	0	9	0	9	(158)	(158)
2017	0	132	43	0	175	0	176	25	0	201	25	(134)
2018	0	140	44	0	184	0	180	45	0	225	41	(99)
2019	0	147	45	0	193	0	184	67	0	251	58	(51)
2020	0	18	0	0	18	1,720	400	89	0	2,209	2,191	1,622
2021	0	18	0	0	18	1,676	397	84	0	2,157	2,138	3,148
2022	0	19	0	0	19	1,623	393	90	0	2,106	2,087	4,541
2023	0	19	0	0	19	1,572	390	102	0	2,064	2,044	5,816
2024	0	20	0	0	20	1,528	388	116	0	2,031	2,011	6,988
2025	0	20	0	0	20	1,487	386	111	0	1,984	1,964	8,059
2026	0	21	0	0	21	1,449	384	113	0	1,945	1,925	9,039
2027	0	21	0	0	21	1,408	383	120	0	1,911	1,889	9,939
2028	0	22	0	0	22	1,368	382	145	0	1,895	1,873	10,773
2029	0	22	0	0	22	1,326	381	137	0	1,843	1,821	11,531
2030	0	23	0	0	23	1,290	380	142	0	1,811	1,788	12,227
2031	0	23	0	0	23	1,251	379	164	0	1,793	1,770	12,870
2032	0	24	0	0	24	1,212	378	150	0	1,740	1,716	13,454
2033	0	25	0	0	25	1,174	378	175	0	1,727	1,702	13,995
2034	0	25	0	0	25	1,135	377	186	0	1,698	1,673	14,492
2035	0	26	0	0	26	1,106	378	192	0	1,676	1,650	14,950
2036	0	26	0	0	26	1,081	380	181	0	1,642	1,615	15,369
2037	0	27	0	0	27	1,068	384	191	0	1,643	1,616	15,761
2038	0	28	0	0	28	1,053	388	187	0	1,628	1,600	16,124
2039	0	28	0	0	28	1,038	391	202	0	1,631	1,602	16,464
2040	0	29	0	0	29	1,021	395	251	0	1,667	1,638	16,788
NOMINAL	0	1,030	175	0	1,204	27,583	8,630	3,271	0	39,485	38,281	
NPV:	0	685	158	0	843	12,430	3,901	1,300	0	17,631	16,788	
Discount Rate		0.06976	Benefit/Cost Ratio - [col (11)/col (6)]:				20.92					

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PARTICIPANT COSTS AND BENEFITS
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.4
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August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILL \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O & M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2016	18	0	158	0	176	42	0	0	42	134	134
2017	52	0	474	0	526	43	0	0	43	483	585
2018	90	0	790	0	880	44	0	0	44	835	1,315
2019	129	0	1,106	0	1,235	45	0	0	45	1,190	2,287
2020	155	0	1,264	0	1,419	0	0	0	0	1,419	3,371
2021	156	0	1,264	0	1,420	0	0	0	0	1,420	4,384
2022	159	0	1,264	0	1,423	0	0	0	0	1,423	5,333
2023	164	0	1,264	0	1,428	0	0	0	0	1,428	6,224
2024	166	0	1,264	0	1,430	0	0	0	0	1,430	7,058
2025	168	0	1,264	0	1,432	0	0	0	0	1,432	7,838
2026	171	0	1,264	0	1,435	0	0	0	0	1,435	8,570
2027	177	0	1,264	0	1,441	0	0	0	0	1,441	9,256
2028	182	0	1,264	0	1,446	0	0	0	0	1,446	9,900
2029	190	0	1,264	0	1,454	0	0	0	0	1,454	10,505
2030	193	0	1,264	0	1,457	0	0	0	0	1,457	11,072
2031	199	0	1,264	0	1,463	0	0	0	0	1,463	11,604
2032	205	0	1,264	0	1,469	0	0	0	0	1,469	12,103
2033	211	0	1,264	0	1,475	0	0	0	0	1,475	12,572
2034	219	0	1,264	0	1,483	0	0	0	0	1,483	13,013
2035	224	0	1,264	0	1,488	0	0	0	0	1,488	13,426
2036	237	0	1,264	0	1,501	0	0	0	0	1,501	13,815
2037	244	0	1,264	0	1,508	0	0	0	0	1,508	14,181
2038	256	0	1,264	0	1,520	0	0	0	0	1,520	14,526
2039	267	0	1,264	0	1,531	0	0	0	0	1,531	14,851
2040	281	0	1,264	0	1,545	0	0	0	0	1,545	15,157
NOMINAL	4,512	0	29,073	0	33,584	175	0	0	175	33,410	
NPV:	1,910	0	13,404	0	15,315	158	0	0	158	15,157	
In service year of gen unit:			2020		96.947533						

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RATE IMPACT TEST
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.5
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August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS TO ALL CUSTOMERS \$(000)	CUMULATIVE DISCOUNTED NET BENEFIT \$(000)
2016	0	125	158	6	0	289	9	0	0	0	9	(281)	(281)
2017	0	132	474	19	0	626	25	176	0	0	201	(425)	(678)
2018	0	140	790	33	0	962	45	180	0	0	225	(737)	(1322)
2019	0	147	1,106	46	0	1,299	67	184	0	0	251	(1,048)	(2178)
2020	0	18	1,264	53	0	1,335	1,809	400	0	0	2,209	873	(1511)
2021	0	18	1,264	54	0	1,336	1,760	397	0	0	2,157	821	(925)
2022	0	19	1,264	54	0	1,337	1,713	393	0	0	2,106	769	(412)
2023	0	19	1,264	55	0	1,338	1,673	390	0	0	2,064	726	40
2024	0	20	1,264	55	0	1,339	1,643	388	0	0	2,031	692	444
2025	0	20	1,264	56	0	1,340	1,599	386	0	0	1,984	644	795
2026	0	21	1,264	56	0	1,341	1,561	384	0	0	1,945	604	1103
2027	0	21	1,264	57	0	1,342	1,528	383	0	0	1,911	568	1373
2028	0	22	1,264	57	0	1,343	1,513	382	0	0	1,895	551	1619
2029	0	22	1,264	58	0	1,344	1,463	381	0	0	1,843	499	1826
2030	0	23	1,264	59	0	1,346	1,432	380	0	0	1,811	466	2008
2031	0	23	1,264	59	0	1,347	1,414	379	0	0	1,793	447	2170
2032	0	24	1,264	60	0	1,348	1,362	378	0	0	1,740	393	2303
2033	0	25	1,264	60	0	1,349	1,349	378	0	0	1,727	378	2423
2034	0	25	1,264	61	0	1,350	1,321	377	0	0	1,698	348	2527
2035	0	26	1,264	62	0	1,351	1,298	378	0	0	1,676	324	2617
2036	0	26	1,264	62	0	1,353	1,261	380	0	0	1,642	289	2692
2037	0	27	1,264	63	0	1,354	1,259	384	0	0	1,643	289	2762
2038	0	28	1,264	63	0	1,355	1,240	388	0	0	1,628	272	2824
2039	0	28	1,264	64	0	1,356	1,239	391	0	0	1,631	274	2882
2040	0	29	1,264	65	0	1,358	1,272	395	0	0	1,667	309	2943
NOMINAL	0	1,030	29,073	1,337	0	31,440	30,855	8,630	0	0	39,485	8,045	
NPV:	0	685	13,404	599	0	14,688	13,730	3,901	0	0	17,631	2,943	
Discount rate:			0.06976					Benefit/Cost Ratio - [col (12)/col (7)]:			1.20		

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2017 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	5.549	2.956	0.088	0.389	28.645	32.078	37.627
P3	5.549	2.956	0.088	0.389	7.054	10.487	16.036
P2	5.549	2.956	0.088	0.389	-0.719	2.714	8.263
P1	5.549	2.956	0.088	0.389	-2.501	0.932	6.481