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August 21, 2015

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. I50002-EG

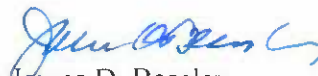
Dear Ms. Stauffer:

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-3) 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. 150002-EG

FILED: August 21, 2015

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 2016. In support thereof, the company says:

Preface

1. On March 16, 2015 Tampa Electric filed its 2015–2024 DSM Plan for approval that includes the discontinuation of nine existing DSM programs, the creation of one new DSM program, the modification of twenty-eight existing programs and the retirement of the renewable energy systems initiative. These programs are described in the testimony of Tampa Electric witness Mark R. Roche and can be found in Schedules C-1P through C-5P contained in Mr. Roche's Exhibit No. MRR-3.

2. Tampa Electric Company's DSM Plan was approved on August 11, 2015 with the issuance of Order No. PSC-15-0323-PAA-EG in Docket No. 150081-EG. Tampa Electric anticipates implementing its new plan effective November 1, 2015. All cost differences between the current DSM Plan and the new Plan are based on that implementation date and are appropriately reflected in the 2014 final true-up, the actual estimated true-up for 2015 and the projected expenditures for 2016.

Conservation Cost Recovery

3. During the period January through December 2014, Tampa Electric incurred actual net conservation costs of \$46,620,508, plus a beginning true-up over-recovery of \$5,476,721 for a total of \$41,143,787. The amount collected through the Conservation Cost Recovery Clause was \$48,690,159. The true-up amount for January through December 2014 was an over-recovery of \$7,549,999 including interest. (See Exhibit (MRR-1); Schedule CT-1, Page 1 of 1 and CT-2, Page 1 of 4, filed May 5, 2015).

4. During the period January through December 2015, the company anticipates incurring expenses of \$43,989,839. For the period the total net true-up over-recovery is estimated to be \$5,228,885 including interest. (See Exhibit (MRR-3); Schedule C-3, page 6 of 7).

5. For the forthcoming cost recovery period, January through December 2016, Tampa Electric projects its total incremental conservation costs to be \$38,194,329. Tampa Electric's total true-up and projected expenditures for the projection period are estimated to be \$31,944,922 including true-up estimates for January through December 2015. 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	0.191
GS and TS	0.182
GSD Optional–Secondary	0.150
GSD Optional–Primary	0.149
GSD Optional–Subtransmission	0.147
LSI	0.073

<u>Rate Schedule</u>	<u>Cost Recovery Factors (dollars per kW)</u>
GSD-Secondary	0.65
GSD-Primary	0.64
GSD-Subtransmission	0.63
SBF-Secondary	0.65
SBF-Primary	0.64
SBF-Subtransmission	0.63
IS-Secondary	0.53
IS-Primary	0.53
IS-Subtransmission	0.52

(See Exhibit (MRR-3); Schedule C-1, Page 1 of 1)

6. For the forthcoming cost recovery period, January through December 2016, the Contracted Credit Value for the GSLM-2 and GSLM-3 rate riders will be \$8.81 per kW. (See Exhibit (MRR-3); Page 63).

7. For the forthcoming cost recovery period, January through December 2016, the residential Price Responsive Load Management ("RSVP-1") rates are as follows:

<u>Rate Tier</u>	<u>Cents per kWh</u>
P4	30.774
P3	7.176
P2	-0.645
P1	-2.165

(See Exhibit (MRR-3); page 68)

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, 2016 through December 31, 2016.

DATED this 21st day of August, 2015.

Respectfully submitted,



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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by hand delivery (*) or electronic mail on this 21st day of August 2015 to the following:

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ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 150002-EG
IN RE: CONSERVATION COST RECOVERY CLAUSE
TESTIMONY AND EXHIBIT
OF
MARK R. ROCHE

FILED: AUGUST 21, 2015

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 Administrator, 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 seventeen 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, and Demand Side Management ("DSM") Planning
5 and Forecasting. In my current position I am responsible
6 for the company's Energy Conservation Cost Recovery
7 ("ECCR") Clause and Storm Hardening.

8
9 **Q.** What is the purpose of your testimony in this proceeding?

10
11 **A.** The purpose of my testimony is to support the company's
12 actual conservation costs incurred during the period
13 January through December 2014, the actual/projected
14 period January to December 2015, and the projected period
15 January through December 2016. The projected 2016 ECCR
16 factors have been calculated based on the current
17 approved allocation methodology. Also, I will support
18 the appropriate Contracted Credit Value ("CCV") for
19 participants in the General Service Industrial Load
20 Management Riders ("GSLM-2" and "GSLM-3") for the period
21 January through December 2016. In addition, I will
22 support the appropriate residential variable pricing
23 rates ("RSVP-1") for participants in the Residential
24 Price Responsive Load Management Program for the period
25 January through December 2016.

1 Q. Did you prepare any exhibits in support of your
2 testimony?

3

4 A. Yes. Exhibit No. MRR-3 was prepared under my direction
5 and supervision. This document includes Schedules C-1
6 through C-5 and associated data which support the
7 development of the conservation cost recovery factors for
8 January through December 2016 using the current 12
9 Coincident Peak ("CP") and 1/13 Average Demand ("AD")
10 Factor allocation methodology.

11

12 Q. Please describe the conservation program costs projected
13 by Tampa Electric during the period January through
14 December 2014.

15

16 A. For the period January through December 2014, Tampa
17 Electric projected conservation program costs to be
18 \$52,110,132. The Commission authorized collections to
19 recover these expenses in Docket No. 130002-EG, Order No.
20 PSC-13-0614-FOF-EG, issued November 20, 2013.

21

22 Q. For the period January through December 2014, what were
23 Tampa Electric's conservation costs and what was
24 recovered through the ECCR clause?

25

1 **A.** For the period January through December 2014, Tampa
2 Electric incurred actual net conservation costs of
3 \$46,620,508 plus a beginning true-up over-recovery of
4 \$5,476,721 for a total of \$41,143,787. The amount
5 collected in the ECCR clause was \$48,690,159.

6
7 **Q.** What was the true-up amount?

8
9 **A.** The true-up amount for the period January through
10 December 2014 was an over-recovery of \$7,549,999,
11 including interest. These calculations are detailed in
12 Exhibit No. MRR-1, Conservation Cost Recovery True Up,
13 Schedule CT-2, filed May 5, 2015.

14
15 **Q.** Please describe the conservation program costs projected
16 to be incurred by Tampa Electric during the period
17 January through December 2015?

18
19 **A.** The actual costs incurred by Tampa Electric through July
20 2015 and projected for August through December 2015 are
21 \$43,989,839. For the period, Tampa Electric anticipates
22 an over-recovery in the ECCR Clause of \$5,228,885 which
23 includes the 2014 true-up and interest. A summary of
24 these costs and estimates are fully detailed in Exhibit
25 No. MRR-3, Conservation Costs Projected, pages 20 through

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26.

Q. Has Tampa Electric proposed any new or modified DSM Programs for ECCR cost recovery for the period January through December 2016?

A. Yes, on March 16, 2015, Tampa Electric filed its 2015-2024 DSM Plan for approval that includes the discontinuation of nine existing DSM programs, the creation of one new DSM program, the modification of 28 existing programs and retirement of the renewable energy systems initiative. These programs are listed below and can be found in Schedules C-1 through C-5.

Discontinued DSM Programs:

1. Residential Heating, Ventilating, and Air Conditioning ("HVAC") Re-Commissioning
2. Residential Window Film
3. Commercial Energy Recovery Ventilation ("ERV")
4. Commercial Lighting Exit Signs
5. Commercial HVAC Re-Commissioning
6. Commercial Motors
7. Commercial Cooling-Packaged Terminal Air Conditioning ("PTAC")
8. Commercial Roof Insulation

1 9. Commercial Window Film

2

3 New DSM Programs:

4 1. Thermal Energy Storage ("TES")

5

6 Modified DSM Programs:

7 1. Residential Walk-Through Energy Audit (Free Energy
8 Check)

9 2. Residential Customer Assisted Energy Audit

10 3. Residential Computer Assisted Energy Audits ("RCS")

11 4. Residential Ceiling Insulation

12 5. Residential Duct Repair

13 6. Residential Electronically Commutated Motors ("ECM")

14 7. Energy Education, Awareness and Agency Outreach

15 8. ENERGY STAR for New Homes

16 9. Residential Heating and Cooling

17 10. Neighborhood Weatherization

18 11. Residential Wall Insulation

19 12. Residential Window Replacement

20 13. Commercial/Industrial Audit (Free)

21 14. Comprehensive Commercial/Industrial Audit (Paid)

22 15. Commercial Ceiling Insulation

23 16. Commercial Chiller

24 17. Conservation Value

25 18. Cool Roof

- 1 19. Commercial Cooling
- 2 20. Commercial Duct Repair
- 3 21. Commercial Electronically Commutated Motors ("ECM")
- 4 22. Industrial Load Management (GSLM 2&3)
- 5 23. Lighting Conditioned Space
- 6 24. Lighting Non-Conditioned Space
- 7 25. Lighting Occupancy Sensors
- 8 26. Refrigeration Anti-condensate Control
- 9 27. Commercial Wall Insulation
- 10 28. Commercial Water Heating

11

12 The following existing DSM Programs did not require any
13 necessary modifications:

- 14 1. Price Responsive Load Management (Energy Planner)
- 15 2. Renewable Energy
- 16 3. Cogeneration
- 17 4. Demand Response
- 18 5. Commercial Load Management (GSLM 1)
- 19 6. Standby Generator
- 20 7. Conservation Research and Development (R&D)

21

22 **Q.** Please summarize the proposed conservation costs for the
23 period January through December 2016 and the annualized
24 recovery factors based on a 12 CP and 1/13 AD basis
25 applicable for the period January through December 2016?

1 **A.** Tampa Electric has estimated that the total conservation
2 costs (less program revenues) during the period will be
3 \$38,194,329 plus true-up. Including true-up estimates,
4 the January through December 2016 cost recovery factors
5 allocated on a 12 CP and 1/13 AD basis for firm retail
6 rate classes are as follows:

	Cost Recovery Factors
<u>Rate Schedule</u>	<u>(cents per kWh)</u>
9 RS	0.191
10 GS and TS	0.182
11 GSD Optional - Secondary	0.150
12 GSD Optional - Primary	0.149
13 GSD Optional - Subtransmission	0.147
14 LS1	0.073

	Cost Recovery Factors
<u>Rate Schedule</u>	<u>(dollars per kW)</u>
18 GSD - Secondary	0.65
19 GSD - Primary	0.64
20 GSD - Subtransmission	0.63
21 SBF - Secondary	0.65
22 SBF - Primary	0.64
23 SBF - Subtransmission	0.63
24 IS - Secondary	0.53
25 IS - Primary	0.53

1 IS - Subtransmission

0.52

2 Exhibit No. MRR-3, Conservation Costs Projected, pages 15
3 through 19 contain the Commission prescribed forms which
4 detail these estimates.

5
6 **Q.** Has Tampa Electric complied with the ECCR cost allocation
7 methodology stated in Docket No. 930759-EG, Order No.
8 PSC-93-1845-EG?

9
10 **A.** Yes, it has.

11
12 **Q.** Please explain why the incentive for GSLM-2 and GSLM-3
13 rate riders is included in your testimony?

14
15 **A.** In Docket No. 990037-EI, Tampa Electric petitioned the
16 Commission to close its non-cost-effective interruptible
17 service rate schedules while initiating the provision of
18 a cost-effective non-firm service through a new load
19 management program. This program would be funded through
20 the ECCR clause and the appropriate annual contracted
21 credit value ("CCV") for customers would be submitted for
22 Commission approval as part of the company's annual ECCR
23 projection filing. Specifically, the level of the CCV
24 would be determined by using the Rate Impact Measure
25 ("RIM") Test contained in the Commission's cost-

1 effectiveness methodology found in Rule 25-17.008, F.A.C.
2 By using a RIM Test benefit-to-cost ratio of 1.2, the
3 level of the CCV would be established on a per kilowatt
4 ("kW") basis. This program and methodology for CCV
5 determination was approved by the Commission in Docket
6 No. 990037-EI, Order No. PSC-99-1778-FOF-EI, issued
7 September 10, 1999.

8
9 **Q.** What is the appropriate CCV for customers who elect to
10 take service under the GSLM-2 and GSLM-3 rate riders
11 during the January through December 2016 period?

12
13 **A.** For the January through December 2016 period, the CCV
14 will be \$8.81 per kW. If the 2016 assessment for need
15 determination indicates the availability of new non-firm
16 load, the CCV will be applied to new subscriptions for
17 service under those rate riders. The application of the
18 cost-effectiveness methodology to establish the CCV is
19 found in the attached analysis, Exhibit No. MRR-3,
20 Conservation Costs Projected, beginning on page 63
21 through 67.

22
23 **Q.** Please explain why the RSVP-1 rates for Residential Price
24 Responsive Load Management are in your testimony?

25

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

9
10 **Q.** What are the appropriate Price Responsive Load Management
11 rates ("RSVP-1") for customers who elect to take this
12 service during the January through December 2016?

13
14 **A.** The appropriate RSVP-1 rates during the January through
15 December 2016 period for Tampa Electric's Price
16 Responsive Load Management program are as follows:

17

<u>Rate Tier</u>	<u>(Cents per kWh)</u>
P4	30.774
P3	7.176
P2	(0.645)
P1	(2.165)

18
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22
23 Page 68 contains the projected RSVP-1 rates for 2016.

24
25 **Q.** Does this conclude your testimony?

1 **A.** Yes it does.

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CONSERVATION COSTS
PROJECTED

INDEX

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TAMPA ELECTRIC COMPANY
 CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
 JANUARY 2016 THROUGH DECEMBER 2016
 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	53.76%	8,914,762	1,893	1.07778	1.05339	9,390,726	2,040	47.58%	56.88%	56.16%
GS,TS	58.00%	1,014,240	200	1.07778	1.05338	1,068,375	215	5.41%	5.99%	5.95%
GSD Optional	3.90%	389,753	56	1.07348	1.04958	409,078	60	2.07%	1.67%	1.70%
GSD, SBF Standard	75.17%	7,517,283	1,085	1.07348	1.04958	7,890,009	1,165	39.97%	32.48%	33.06%
IS	83.49%	739,587	101	1.02887	1.01847	753,250	104	3.82%	2.90%	2.97%
LS1	864.97%	214,899	3	1.07778	1.05339	226,373	3	1.15%	0.08%	0.16%
TOTAL		18,790,524	3,338			19,737,811	3,587	100%	100%	100%

- (1) AVG 12 CP load factor based on projected 2015 calendar data.
 (2) Projected MWH sales for the period Jan. 2016 thru Dec. 2016
 (3) Calculated: Col (2) / (8760*Col (1)).
 (4) Based on 2015 projected demand losses.
 (5) Based on 2015 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 2016 through December 2016

1. Total Incremental Cost (C-2, Page 1, Line 17)	38,194,329
2. Demand Related Incremental Costs	25,132,960
3. Energy Related Incremental Costs	13,061,369

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	56.16%	5.95%	33.06%	1.70%	2.97%	0.16%	100.00%
5. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	14,114,670	1,495,411	8,308,957	427,260	746,449	40,213	<u>25,132,960</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>(2,175,993)</u>	<u>(230,541)</u>	<u>(1,280,953)</u>	<u>(65,869)</u>	<u>(115,077)</u>	<u>(6,199)</u>	<u>(3,874,632)</u>
7. Total Demand Related Incremental Costs	<u>11,938,677</u>	<u>1,264,871</u>	<u>7,028,003</u>	<u>361,392</u>	<u>631,372</u>	<u>34,013</u>	<u>21,258,328</u>
8. Energy Allocation Percentage	47.58%	5.41%	39.97%	2.07%	3.82%	1.15%	100.00%
9. Net Energy Related Incremental Costs	6,214,599	706,620	5,220,629	270,370	498,944	150,206	<u>13,061,369</u>
10. Energy Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 6 (Allocation of D & E is based on the forecast period cost.)	<u>(1,129,918)</u>	<u>(128,475)</u>	<u>(949,198)</u>	<u>(49,158)</u>	<u>(90,716)</u>	<u>(27,310)</u>	<u>(2,374,775)</u>
11. Total Net Energy Related Incremental Costs	<u>5,084,681</u>	<u>578,145</u>	<u>4,271,432</u>	<u>221,212</u>	<u>408,228</u>	<u>122,896</u>	<u>10,686,594</u>
12. Total Incremental Costs (Line 5 + 9)	20,329,270	2,202,031	13,529,586	697,631	1,245,393	190,418	38,194,329
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>(3,305,911)</u>	<u>(359,016)</u>	<u>(2,230,151)</u>	<u>(115,027)</u>	<u>(205,793)</u>	<u>(33,509)</u>	<u>(6,249,407)</u>
14. Total (Line 12 + 13)	<u>17,023,358</u>	<u>1,843,015</u>	<u>11,299,435</u>	<u>582,604</u>	<u>1,039,600</u>	<u>156,909</u>	<u>31,944,922</u>
15. Retail MWH Sales	8,914,762	1,014,240	7,517,283	389,753	739,587	214,899	18,790,524
16. Effective MWH at Secondary	8,914,762	1,014,240	7,517,283	389,753	739,587	214,899	18,790,524
17. Projected Billed KW at Meter	*	*	17,530,792	*	1,955,828	*	
18. Cost per KWH at Secondary (Line 14/Line 16)	0.19096	0.18171	*	0.14948	*	0.07302	
19. Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20. Adjustment Factor Adjusted for Taxes	0.1911	0.1818	*	0.1496	*	0.0731	
21. Conservation Adjustment Factor (cents/KWH)							
<u>RS, GS, TS, GSD Optional and LS1 Rates (cents/KWH) *</u>							
- Secondary	<u>0.191</u>	<u>0.182</u>		<u>0.150</u>		<u>0.073</u>	
- Primary				<u>0.149</u>			
- Subtransmission				<u>0.147</u>			
<u>GSD, SBF, IS Standard Rates (\$/KW) *</u>							
<u>Full Requirement</u>							
- Secondary	*	*	<u>0.65</u>	*	<u>0.53</u>	*	
- Primary	*	*	<u>0.64</u>	*	<u>0.53</u>	*	
- Subtransmission	*	*	<u>0.63</u>	*	<u>0.52</u>	*	

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

TAMPA ELECTRIC COMPANY
Conservation Program Costs
Estimated For Months January 2016 through December 2016

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1 Heating and Cooling (E)	47,094	47,094	50,491	48,046	47,446	47,642	47,250	47,211	50,491	47,811	46,859	47,659	575,094
2 Prime Time (D)	310,306	290,306	270,047	259,665	228,416	208,154	192,374	192,374	203,915	192,543	191,905	191,788	2,731,793
3 Energy Audits (E)	200,282	219,818	219,490	169,090	163,161	170,398	162,637	156,860	159,111	193,974	162,344	151,346	2,128,511
4 Cogeneration (E)	5,320	5,320	5,320	5,320	2,710	2,710	5,320	5,320	5,320	5,320	2,710	2,710	53,400
5 Commercial Load Mgmt (D)	213	213	885	1,860	1,207	1,207	1,207	1,207	1,227	1,207	213	213	10,859
6 Commercial Lighting (E)	35,129	17,710	28,697	19,888	17,710	13,356	15,533	15,533	26,520	13,356	9,001	9,001	221,434
7 Standby Generator (D)	260,856	260,856	259,856	259,856	260,856	259,856	259,856	259,856	259,856	259,856	260,856	259,856	3,122,272
8 Conservation Value (E)	52,929	2,929	2,929	52,929	2,929	2,929	2,929	2,929	52,929	52,929	2,929	2,929	235,148
9 Duct Repair (E)	33,502	33,785	35,152	33,876	33,826	33,461	33,461	33,461	34,808	33,830	33,830	33,573	406,565
10 Renewable Energy Initiative (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Renewable Energy Systems Initiative (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Industrial Load Management (D)	1,022,527	1,102,520	1,012,513	1,302,506	1,302,500	1,302,492	1,302,486	1,202,478	1,042,472	982,466	1,002,458	962,452	13,539,870
13 DSM R&D (D&E) (50% D, 50% E)	0	0	0	0	0	0	0	40,000	40,000	40,000	40,000	40,000	200,000
14 Commercial Cooling (E)	2,847	3,382	3,649	2,847	2,580	3,382	3,114	4,184	2,312	2,580	2,847	3,114	36,838
15 Residential New Construction (E)	88,597	91,253	90,365	88,753	91,305	88,597	88,597	88,597	90,208	88,753	89,501	88,597	1,073,123
16 Common Expenses (D&E) (50% D, 50% E)	64,722	70,233	73,033	83,310	64,722	64,722	65,222	64,722	74,998	68,022	64,722	64,722	823,150
17 Price Responsive Load Mgmt (D&E) (50% D, 50% E)	248,280	253,640	248,691	271,380	270,814	276,091	265,039	268,691	263,369	276,811	270,762	272,348	3,185,916
18 Residential Building Envelope Improvement (E)	109,426	110,094	114,541	110,133	109,992	109,522	109,522	109,293	114,040	110,094	110,015	109,307	1,325,979
19 Residential Electronic Commutated Motors (E)	26	141	154	26	26	141	26	141	39	26	141	26	913
20 Energy Education Outreach (E)	10,238	10,955	12,353	11,492	10,492	9,596	8,700	9,596	9,665	8,804	7,087	6,730	115,708
21 Residential Re-Commissioning (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Residential Low- Income Weatherization (E)	303,789	304,572	305,503	323,850	303,310	304,110	304,110	304,110	306,303	304,850	303,350	303,310	3,671,167
23 Commercial Duct Repair (E)	4,411	9,238	5,847	19,857	6,100	4,411	3,687	6,100	8,744	3,928	3,204	3,928	79,455
24 Commercial Energy Recovery Ventilation (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Commercial Building Envelope Improvement (E)	3,126	10,797	3,313	3,126	4,405	31,926	96,853	94,640	10,299	15,837	6,295	6,295	286,912
26 Commercial Energy Efficient Motors (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Commercial Demand Response (D)	302,008	300,703	302,008	304,160	301,355	301,355	301,355	301,355	301,616	301,855	302,855	303,008	3,623,633
28 Commercial Chiller Replacement (E)	51	51	3,835	6,137	2,359	8,684	51	6,786	5,680	4,362	51	51	38,098
29 Commercial Occupancy Sensors (Lighting) (E)	3,377	38	38	1,760	3,377	3,377	3,377	4,995	1,760	1,760	38	1,760	25,657
30 Commercial Refrigeration (Anti-Condensate) (E)	1,738	0	0	0	0	0	1,738	0	0	0	0	0	3,476
31 Commercial Water Heating (E)	1,401	13	13	13	0	13	13	13	13	13	13	0	1,518
32 Commercial HVAC Re-Commissioning (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Commercial Electronic Commutated Motors	436	436	436	436	436	13	436	436	13	436	436	436	4,386
34 Cool Roof (E)	43,334	14,860	43,835	72,379	29,240	14,860	14,860	14,860	15,076	29,240	29,240	43,620	365,404
35 Commercial Non Conditioned Lighting	6,960	3,484	3,585	6,717	3,606	6,960	10,315	10,315	3,706	6,960	3,606	3,606	69,820
36 Thermal Energy Storage	0	0	44,705	0	0	34,705	69,410	0	44,705	44,705	0	0	238,230
37 Total All Programs	3,162,925	3,164,441	3,141,284	3,459,412	3,264,880	3,304,670	3,369,478	3,246,063	3,129,195	3,092,328	2,947,268	2,912,385	38,194,329
38 Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Recoverable Consv. Expenses	<u>3,162,925</u>	<u>3,164,441</u>	<u>3,141,284</u>	<u>3,459,412</u>	<u>3,264,880</u>	<u>3,304,670</u>	<u>3,369,478</u>	<u>3,246,063</u>	<u>3,129,195</u>	<u>3,092,328</u>	<u>2,947,268</u>	<u>2,912,385</u>	<u>38,194,329</u>
Summary of Demand & Energy													
Energy	1,110,514	1,047,906	1,135,113	1,154,020	1,002,778	1,061,199	1,147,069	1,102,086	1,130,925	1,161,984	1,001,239	1,006,533	13,061,369
Demand	<u>2,052,411</u>	<u>2,116,535</u>	<u>2,006,171</u>	<u>2,305,392</u>	<u>2,262,102</u>	<u>2,243,471</u>	<u>2,222,409</u>	<u>2,143,977</u>	<u>1,998,270</u>	<u>1,930,344</u>	<u>1,946,029</u>	<u>1,905,852</u>	<u>25,132,960</u>
Total Recoverable Consv. Expenses	<u>3,162,925</u>	<u>3,164,441</u>	<u>3,141,284</u>	<u>3,459,412</u>	<u>3,264,880</u>	<u>3,304,670</u>	<u>3,369,478</u>	<u>3,246,063</u>	<u>3,129,195</u>	<u>3,092,328</u>	<u>2,947,268</u>	<u>2,912,385</u>	<u>38,194,329</u>

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2016 through December 2016

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
1 Heating and Cooling (E)	0	98,890	240	0	0	469,800	300	5,864	0	575,094
2 Prime Time (D)	0	443,147	46,212	1,788,000	0	400,680	4,200	49,554	0	2,731,793
3 Energy Audits (E)	0	1,317,999	14,700	31,880	552,501	0	114,301	97,130	0	2,128,511
4 Cogeneration (E)	0	52,200	0	0	0	0	1,200	0	0	53,400
5 Commercial Load Mgmt (D)	0	1,813	0	0	0	0	6,958	2,088	0	10,859
6 Commercial Lighting (E)	0	70,342	0	0	0	150,000	600	492	0	221,434
7 Standby Generator (D)	0	112,752	0	3,000	0	3,005,160	360	1,000	0	3,122,272
8 Conservation Value (E)	0	28,344	0	6,504	0	200,000	300	0	0	235,148
9 Duct Repair (E)	0	43,689	0	0	0	336,600	12,380	13,896	0	406,565
10 Renewable Energy Initiative (E)	0	30,036	0	144,540	0	0	744	0	(175,320)	0
11 Renewable Energy Systems Initiative (E)	0	0	0	0	0	0	0	0	0	0
12 Industrial Load Management (D)	13,010	15,660	0	0	0	13,510,000	1,200	0	0	13,539,870
13 DSM R&D (D&E) (50% D, 50% E)	0	0	0	200,000	0	0	0	0	0	200,000
14 Commercial Cooling (E)	0	17,038	0	0	0	19,500	300	0	0	36,838
15 Residential New Construction (E)	0	46,603	0	0	0	1,020,000	600	5,920	0	1,073,123
16 Common Expenses (D&E) (50% D, 50% E)	0	635,310	1,000	156,000	0	0	3,000	27,840	0	823,150
17 Price Responsive Load Mgmt (D&E) (50% D, 50% E)	1,674,793	758,460	27,785	180,000	187,002	0	72,876	285,000	0	3,185,916
18 Residential Building Envelope Improvement (E)	0	133,903	0	0	0	1,177,296	12,980	1,800	0	1,325,979
19 Residential Electronic Commutated Motors (E)	0	338	0	0	0	575	0	0	0	913
20 Energy Education Outreach (E)	0	57,786	3,000	35,842	0	0	4,440	14,640	0	115,708
21 Residential Re-Commissioning (E)	0	0	0	0	0	0	0	0	0	0
22 Residential Low- Income Weatherization (E)	0	163,137	20,500	906,250	0	2,566,500	7,280	7,500	0	3,671,167
23 Commercial Duct Repair (E)	0	33,375	0	0	0	45,000	480	600	0	79,455
24 Commercial Energy Recovery Ventilation (E)	0	0	0	0	0	0	0	0	0	0
25 Commercial Building Envelope Improvement (E)	0	25,392	0	0	0	260,570	950	0	0	286,912
26 Commercial Energy Efficient Motors (E)	0	0	0	0	0	0	0	0	0	0
27 Commercial Demand Response (D)	0	18,533	0	0	0	3,600,000	600	4,500	0	3,623,633
28 Commercial Chiller Replacement (E)	0	2,864	0	0	0	34,934	300	0	0	38,098
29 Commercial Occupancy Sensors (Lighting) (E)	0	2,857	0	0	0	22,500	300	0	0	25,657
30 Commercial Refrigeration (Anti-Condensate) (E)	0	426	0	0	0	3,000	50	0	0	3,476
31 Commercial Water Heating (E)	0	293	0	0	0	1,200	25	0	0	1,518
32 Commercial HVAC Re-Commissioning (E)	0	0	0	0	0	0	0	0	0	0
33 Commercial Electronic Commutated Motors	0	1,786	0	1,000	0	1,500	100	0	0	4,386
34 Cool Roof (E)	0	42,304	0	0	0	322,500	600	0	0	365,404
35 Commercial Non Conditioned Lighting (E)	0	29,220	0	0	0	40,000	600	0	0	69,820
36 Thermal Energy Storage (E)	0	23,490	0	3,240	0	210,000	1,500	0	0	238,230
37 Total All Programs	<u>1,687,803</u>	<u>4,207,987</u>	<u>113,437</u>	<u>3,456,256</u>	<u>739,503</u>	<u>27,397,315</u>	<u>249,524</u>	<u>517,824</u>	<u>(175,320)</u>	<u>38,194,329</u>
Summary of Demand & Energy										
Energy	837,396	2,919,197	52,832	1,397,256	646,002	6,881,475	198,268	304,262	(175,320)	13,061,368
Demand	<u>850,407</u>	<u>1,288,790</u>	<u>60,605</u>	<u>2,059,000</u>	<u>93,501</u>	<u>20,515,840</u>	<u>51,256</u>	<u>213,562</u>	<u>0</u>	<u>25,132,961</u>
Total All Programs	<u>1,687,803</u>	<u>4,207,987</u>	<u>113,437</u>	<u>3,456,256</u>	<u>739,503</u>	<u>27,397,315</u>	<u>249,524</u>	<u>517,824</u>	<u>(175,320)</u>	<u>38,194,329</u>

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2016 through December 2016

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		101,000	101,000	101,000	101,000	101,000	101,000	101,000	101,000	101,000	101,000	101,000	101,000	1,212,000
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		6,716,914	6,608,179	6,682,070	6,716,259	6,738,454	6,678,509	6,736,906	6,647,590	6,670,198	6,670,673	6,712,719	6,732,669	
4. Depreciation Expense		<u>111,256</u>	<u>111,042</u>	<u>110,752</u>	<u>111,653</u>	<u>112,123</u>	<u>111,808</u>	<u>111,795</u>	<u>111,537</u>	<u>110,982</u>	<u>111,174</u>	<u>111,528</u>	<u>112,045</u>	<u>1,337,695</u>
5. Cumulative Investment	6,633,805	6,716,914	6,608,179	6,682,070	6,716,259	6,738,454	6,678,509	6,736,906	6,647,590	6,670,198	6,670,673	6,712,719	6,732,669	6,732,669
6. Less: Accumulated Depreciation	2,826,417	<u>2,919,782</u>	<u>2,821,089</u>	<u>2,904,732</u>	<u>2,949,574</u>	<u>2,982,892</u>	<u>2,933,755</u>	<u>3,002,947</u>	<u>2,924,168</u>	<u>2,956,758</u>	<u>2,967,407</u>	<u>3,019,981</u>	<u>3,050,976</u>	<u>3,050,976</u>
7. Net Investment	<u>3,807,388</u>	<u>3,797,132</u>	<u>3,787,090</u>	<u>3,777,338</u>	<u>3,766,685</u>	<u>3,755,562</u>	<u>3,744,754</u>	<u>3,733,959</u>	<u>3,723,422</u>	<u>3,713,440</u>	<u>3,703,266</u>	<u>3,692,738</u>	<u>3,681,693</u>	<u>3,681,693</u>
8. Average Investment		3,802,260	3,792,111	3,782,214	3,772,012	3,761,124	3,750,158	3,739,357	3,728,691	3,718,431	3,708,353	3,698,002	3,687,216	
9. Return on Average Investment - Equity Component		22,352	22,292	22,234	22,174	22,110	22,045	21,982	21,919	21,859	21,800	21,739	21,675	264,181
10. Return on Average Investment - Debt Component		<u>6.169</u>	<u>6.153</u>	<u>6.137</u>	<u>6.120</u>	<u>6.103</u>	<u>6.085</u>	<u>6.067</u>	<u>6.050</u>	<u>6.033</u>	<u>6.017</u>	<u>6.000</u>	<u>5.983</u>	<u>72,917</u>
11. Total Depreciation and Return		<u>139,777</u>	<u>139,487</u>	<u>139,123</u>	<u>139,947</u>	<u>140,336</u>	<u>139,938</u>	<u>139,844</u>	<u>139,506</u>	<u>138,874</u>	<u>138,991</u>	<u>139,267</u>	<u>139,703</u>	<u>1,674,793</u>

NOTES:

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

Line 9 x 7.0542% 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 1.9471% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2016 through December 2016

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	27,593	<u>28,512</u>	<u>29,431</u>	<u>30,350</u>	<u>31,269</u>	<u>32,188</u>	<u>33,107</u>	<u>34,026</u>	<u>34,945</u>	<u>35,864</u>	<u>36,783</u>	<u>37,702</u>	<u>38,621</u>	<u>38,621</u>
7. Net Investment	<u>27,533</u>	<u>26,614</u>	<u>25,695</u>	<u>24,776</u>	<u>23,857</u>	<u>22,938</u>	<u>22,019</u>	<u>21,100</u>	<u>20,181</u>	<u>19,262</u>	<u>18,343</u>	<u>17,424</u>	<u>16,505</u>	<u>16,505</u>
8. Average Investment		27,074	26,155	25,236	24,317	23,398	22,479	21,560	20,641	19,722	18,803	17,884	16,965	
9. Return on Average Investment - Equity Component		159	154	148	143	138	132	127	121	116	111	105	100	1,554
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>	<u>35</u>	<u>33</u>	<u>32</u>	<u>31</u>	<u>29</u>	<u>28</u>	<u>428</u>
11. 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>1,081</u>	<u>1,073</u>	<u>1,067</u>	<u>1,061</u>	<u>1,053</u>	<u>1,047</u>	<u>13,010</u>

NOTES:

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

Line 9 x 7.0542% 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 1.9471% x 1/12 (Jan-Dec).

DOCKET NO. 150002-EG
 ECCR 2016 PROJECTION
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TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2015 through July 2015
 Projected for Months August 2015 through December 2015

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
1	Heating & Cooling										
2	Actual	0	44,159	0	490	0	725,875	0	1,872	0	772,396
3	Projected	0	42,226	0	4,612	0	617,710	125	462	0	665,135
4	Total	0	86,385	0	5,102	0	1,343,585	125	2,334	0	1,437,531
5	Prime Time										
6	Actual	0	80,812	6,990	444,658	0	1,362,656	11,022	21,261	0	1,927,399
7	Projected	0	139,426	20,869	857,599	0	997,399	3,062	14,373	0	2,032,728
8	Total	0	220,238	27,859	1,302,257	0	2,360,055	14,084	35,634	0	3,960,127
9	Energy Audits										
10	Actual	0	532,702	74,257	194,953	328,418	0	96,343	30,971	0	1,257,644
11	Projected	0	562,849	5,440	120,533	190,140	5,198	61,783	17,959	0	963,902
12	Total	0	1,095,551	79,697	315,486	518,558	5,198	158,126	48,930	0	2,221,546
13	Cogeneration										
14	Actual	0	65,824	0	0	0	0	127	0	0	65,951
15	Projected	0	22,212	0	0	0	0	250	0	0	22,462
16	Total	0	88,036	0	0	0	0	377	0	0	88,413
17	Commercial Load Management										
18	Actual	0	254	0	0	0	2,982	0	0	0	3,236
19	Projected	0	0	0	427	0	3,976	0	0	0	4,403
20	Total	0	254	0	427	0	6,958	0	0	0	7,639
21	Commercial Lighting										
22	Actual	0	23,074	0	0	0	31,333	397	570	0	55,374
23	Projected	0	33,999	558	0	0	83,969	459	205	0	119,190
24	Total	0	57,073	558	0	0	115,302	856	775	0	174,564
25	Standby Generator										
26	Actual	0	21,649	54	0	0	1,421,490	34	42	0	1,443,269
27	Projected	0	35,094	0	1,000	0	1,491,284	150	0	0	1,527,528
28	Total	0	56,743	54	1,000	0	2,912,774	184	42	0	2,970,797
29	Conservation Value										
30	Actual	0	5,987	0	0	0	228,996	129	76	0	235,188
31	Projected	0	12,670	0	2,710	0	345,793	125	0	0	361,298
32	Total	0	18,657	0	2,710	0	574,789	254	76	0	596,486
33	Duct Repair										
34	Actual	0	15,874	0	364	0	219,986	3,672	6,277	0	246,173
35	Projected	0	19,989	184	3,200	0	211,130	6,422	1,416	0	242,341
36	Total	0	35,863	184	3,564	0	431,116	10,094	7,693	0	488,514
37	Renewable Energy Initiative										
38	Actual	0	12,817	0	855	2,669	4	0	60,465	(131,326)	(54,516)
39	Projected	0	14,292	0	215,848	0	0	310	1	(242,633)	(12,182)
40	Total	0	27,109	0	216,703	2,669	4	310	60,466	(373,959)	(66,698)
41	Renewable Energy Systems Initiative										
42	Actual	0	40,471	0	0	0	702,120	0	0	0	742,591
43	Projected	0	28,946	0	165,000	0	591,840	1,100	0	0	786,886
44	Total	0	69,417	0	165,000	0	1,293,960	1,100	0	0	1,529,477
45	Industrial Load Management										
46	Actual	7,147	13,511	126,203	55,900	0	7,472,820	27,592	5,478	0	7,708,651
47	Projected	6,877	7,791	0	0	0	6,384,033	500	0	0	6,399,201
48	Total	14,024	21,302	126,203	55,900	0	13,856,853	28,092	5,478	0	14,107,852
49	DSM R&D										
50	Actual	0	0	0	0	0	0	0	0	0	0
51	Projected	0	0	0	0	0	0	0	0	0	0
52	Total	0	0	0	0	0	0	0	0	0	0
53	Commercial Cooling										
54	Actual	0	9,947	0	0	0	58,212	55	587	0	68,801
55	Projected	0	8,368	0	0	0	39,048	141	0	0	47,557
56	Total	0	18,315	0	0	0	97,260	196	587	0	116,358
57	Residential New Construction										
58	Actual	0	23,467	0	714	0	1,024,975	186	0	0	1,049,342
59	Projected	0	27,151	0	3,200	0	830,300	250	6,700	0	867,601
60	Total	0	50,618	0	3,914	0	1,855,275	436	6,700	0	1,916,943
61	Common Expenses										
62	Actual	0	367,735	391	134,645	0	0	340	40,178	0	543,289
63	Projected	0	465,755	109	374,167	0	0	124	24,914	0	865,069
64	Total	0	833,490	500	508,812	0	0	464	65,092	0	1,408,358
65	Price Responsive Load Management										
66	Actual	791,688	404,291	4,838	322,251	56,273	0	73,113	139,378	0	1,791,832
67	Projected	809,388	360,813	11,450	51,173	153,085	0	42,523	60,463	0	1,488,895
68	Total	1,601,076	765,104	16,288	373,424	209,358	0	115,636	199,841	0	3,280,727
69	Residential Building Envelope Improvement										
70	Actual	0	74,088	0	1,078	0	780,774	3,974	2,870	0	862,784
71	Projected	0	65,797	577	7,596	0	772,267	6,808	764	0	853,809
72	Total	0	139,885	577	8,674	0	1,553,041	10,782	3,634	0	1,716,593

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TAMPA ELECTRIC COMPANY
 Conservation Program Costs Continued

Actual for Months January 2015 through July 2015
 Projected for Months August 2015 through December 2015

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
73	Residential Electronic Commutated Motors										
74	Actual	0	229	0	0	0	135	0	0	0	364
75	Projected	0	65	0	0	0	135	0	135	0	335
76	Total	0	294	0	0	0	270	0	135	0	699
77	Energy Education Outreach										
78	Actual	0	16,936	205	27,615	0	4,276	450	7,500	0	56,982
79	Projected	0	17,927	230	9,960	0	1,189	2,024	6,600	0	37,930
80	Total	0	34,863	435	37,575	0	5,465	2,474	14,100	0	94,912
81	Residential Re-Commissioning										
82	Actual	0	3,114	0	1,755	0	3,150	0	0	0	8,019
83	Projected	0	1,578	0	1,170	0	2,175	0	0	0	4,923
84	Total	0	4,692	0	2,925	0	5,325	0	0	0	12,942
85	Residential Low- Income Weatherization										
86	Actual	0	79,304	22,164	292,962	0	1,233,951	2,687	5,042	0	1,636,110
87	Projected	0	76,446	100	371,884	0	1,244,224	4,912	4,163	0	1,701,729
88	Total	0	155,750	22,264	664,846	0	2,478,175	7,599	9,205	0	3,337,839
89	Commercial Duct Repair										
90	Actual	0	7,498	0	0	0	13,800	19	469	0	21,786
91	Projected	0	21,902	0	0	0	54,050	200	250	0	76,402
92	Total	0	29,400	0	0	0	67,850	219	719	0	98,188
93	Commercial Energy Recovery Ventilation										
94	Actual	0	0	0	0	0	0	0	0	0	0
95	Projected	0	0	0	0	0	0	0	0	0	0
96	Total	0	0	0	0	0	0	0	0	0	0
97	Commercial Building Envelope Improvement										
98	Actual	0	7,221	0	0	0	9,359	281	0	0	16,861
99	Projected	0	19,140	0	0	0	245,347	473	0	0	264,960
100	Total	0	26,361	0	0	0	254,706	754	0	0	281,821
101	Commercial Energy Efficient Motors										
102	Actual	0	95	0	0	0	0	0	0	0	95
103	Projected	0	378	0	0	0	200	50	0	0	628
104	Total	0	473	0	0	0	200	50	0	0	723
105	Commercial Demand Response										
106	Actual	0	9,249	0	2,143,682	0	0	33	2,005	0	2,154,969
107	Projected	0	11,782	0	306,000	0	1,000,000	100	0	0	1,317,882
108	Total	0	21,031	0	2,449,682	0	1,000,000	133	2,005	0	3,472,851
109	Commercial Chiller Replacement										
110	Actual	0	110	0	0	0	21,076	0	151	0	21,337
111	Projected	0	1,993	0	0	0	22,813	125	0	0	24,931
112	Total	0	2,103	0	0	0	43,889	125	151	0	46,268
113	Commercial Occupancy Sensors (Lighting)										
114	Actual	0	0	0	0	0	0	0	0	0	0
115	Projected	0	1,423	0	0	0	40,500	125	0	0	42,048
116	Total	0	1,423	0	0	0	40,500	125	0	0	42,048
117	Commercial Refrigeration (Anti-Condensate)										
118	Actual	0	0	0	0	0	0	0	0	0	0
119	Projected	0	130	0	0	0	0	0	0	0	130
120	Total	0	130	0	0	0	0	0	0	0	130
121	Commercial Water Heating										
122	Actual	0	0	0	0	0	0	0	0	0	0
123	Projected	0	65	0	0	0	0	0	0	0	65
124	Total	0	65	0	0	0	0	0	0	0	65
125	Commercial HVAC Re-commissioning										
126	Actual	0	7,857	0	2,008	0	48,526	0	0	0	58,391
127	Projected	0	7,223	0	1,000	0	10,000	50	0	0	18,273
128	Total	0	15,080	0	3,008	0	58,526	50	0	0	76,664
129	Commercial Electronic Commutated Motors										
130	Actual	0	55	0	0	0	86	0	0	0	141
131	Projected	0	880	0	500	0	750	50	0	0	2,180
132	Total	0	935	0	500	0	836	50	0	0	2,321
133	Cool Roof										
134	Actual	0	16,447	0	0	0	120,952	153	42	0	137,594
135	Projected	0	36,051	0	0	0	292,350	500	0	0	328,901
136	Total	0	52,498	0	0	0	413,302	653	42	0	466,495
137	Commercial Non Conditioned Lighting										
138	Actual	0	0	0	0	0	0	0	0	0	0
139	Projected	0	5,610	0	0	0	25,490	85	0	0	31,235
140	Total	0	5,610	0	0	0	25,490	85	0	0	31,235
141	Thermal Energy Storage										
142	Actual	0	0	0	0	0	0	0	0	0	0
143	Projected	0	7,830	0	1,080	0	60,000	500	0	0	69,410
144	Total	0	7,830	0	1,080	0	60,000	500	0	0	69,410
137	Total All Programs	1,615,100	3,942,578	274,619	6,122,589	730,585	30,860,704	353,933	463,639	(373,959)	43,989,838

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2015 through July 2015
Projected for Months August 2015 through December 2015

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		158,229	119,344	162,381	155,227	157,052	117,872	150,242	145,600	145,600	145,600	122,600	122,600	1,702,347
2. Retirements		250,069	99,373	217,670	103,400	173,942	79,673	138,754	183,368	79,464	116,877	15,480	10,070	1,468,141
3. Depreciation Base		6,307,760	6,327,730	6,272,441	6,324,268	6,307,377	6,345,576	6,357,064	6,319,296	6,385,432	6,414,155	6,521,275	6,633,805	
4. Depreciation Expense		<u>105,895</u>	<u>105,296</u>	<u>105,001</u>	<u>104,973</u>	<u>105,264</u>	<u>105,441</u>	<u>105,855</u>	<u>105,636</u>	<u>105,873</u>	<u>106,663</u>	<u>107,795</u>	<u>109,626</u>	<u>1,273,318</u>
5. Cumulative Investment	6,399,600	6,307,760	6,327,730	6,272,441	6,324,268	6,307,377	6,345,576	6,357,064	6,319,296	6,385,432	6,414,155	6,521,275	6,633,805	6,633,805
6. Less: Accumulated Depreciation	3,021,239	<u>2,877,065</u>	<u>2,882,988</u>	<u>2,770,319</u>	<u>2,771,892</u>	<u>2,703,214</u>	<u>2,728,982</u>	<u>2,696,083</u>	<u>2,618,351</u>	<u>2,644,760</u>	<u>2,634,546</u>	<u>2,726,861</u>	<u>2,826,417</u>	<u>2,826,417</u>
7. Net Investment	<u>3,378,361</u>	<u>3,430,695</u>	<u>3,444,742</u>	<u>3,502,122</u>	<u>3,552,376</u>	<u>3,604,163</u>	<u>3,616,594</u>	<u>3,660,981</u>	<u>3,700,945</u>	<u>3,740,672</u>	<u>3,779,609</u>	<u>3,794,414</u>	<u>3,807,388</u>	<u>3,807,388</u>
8. Average Investment		3,404,528	3,437,719	3,473,432	3,527,249	3,578,270	3,610,379	3,638,788	3,680,963	3,720,809	3,760,141	3,787,012	3,800,901	
9. Return on Average Investment - Equity Component		20,099	20,295	20,506	20,824	21,125	21,314	21,391	21,639	21,873	22,104	22,262	22,344	255,776
10. Return on Average Investment - Debt Component		<u>5,772</u>	<u>5,828</u>	<u>5,888</u>	<u>5,980</u>	<u>6,066</u>	<u>6,121</u>	<u>5,904</u>	<u>5,973</u>	<u>6,037</u>	<u>6,101</u>	<u>6,145</u>	<u>6,167</u>	<u>71,982</u>
Total Depreciation and Return		<u>131,766</u>	<u>131,419</u>	<u>131,395</u>	<u>131,777</u>	<u>132,455</u>	<u>132,876</u>	<u>133,150</u>	<u>133,248</u>	<u>133,783</u>	<u>134,868</u>	<u>136,202</u>	<u>138,137</u>	<u>1,601,076</u>

NOTES:

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

Line 9 x 7.0542% 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 1.9471% x 1/12 (Jul-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2015 through July 2015
Projected for Months August 2015 through December 2015

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	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	16,565	<u>17,484</u>	<u>18,403</u>	<u>19,322</u>	<u>20,241</u>	<u>21,160</u>	<u>22,079</u>	<u>22,998</u>	<u>23,917</u>	<u>24,836</u>	<u>25,755</u>	<u>26,674</u>	<u>27,593</u>	<u>27,593</u>
7. Net Investment	<u>38,561</u>	<u>37,642</u>	<u>36,723</u>	<u>35,804</u>	<u>34,885</u>	<u>33,966</u>	<u>33,047</u>	<u>32,128</u>	<u>31,209</u>	<u>30,290</u>	<u>29,371</u>	<u>28,452</u>	<u>27,533</u>	<u>27,533</u>
8. Average Investment		38,102	37,183	36,264	35,345	34,426	33,507	32,588	31,669	30,750	29,831	28,912	27,993	
9. Return on Average Investment - Equity Component		225	220	214	209	203	198	192	186	181	175	170	165	2,338
10. Return on Average Investment - Debt Component		<u>65</u>	<u>63</u>	<u>61</u>	<u>60</u>	<u>58</u>	<u>57</u>	<u>53</u>	51	50	48	47	45	<u>658</u>
Total Depreciation and Return		<u>1,209</u>	<u>1,202</u>	<u>1,194</u>	<u>1,188</u>	<u>1,180</u>	<u>1,174</u>	<u>1,164</u>	<u>1,156</u>	<u>1,150</u>	<u>1,142</u>	<u>1,136</u>	<u>1,129</u>	<u>14,024</u>

NOTES:

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

Line 9 x 7.0542% 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 1.9471% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2015 through July 2015
Projected for Months August 2015 through December 2015

Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1 Heating and Cooling	99,880	65,441	99,099	144,469	173,961	189,546	276,862	116,882	116,999	51,464	51,464	51,464	1,437,531
2 Prime Time	376,374	359,200	347,271	296,711	279,839	268,004	261,169	359,967	368,065	367,977	348,959	326,591	3,960,127
3 Energy Audits	51,620	339,916	244,602	206,038	256,015	159,453	177,561	161,535	156,880	182,614	140,430	144,882	2,221,546
4 Cogeneration	7,138	9,264	12,303	18,260	11,130	7,856	1,332	5,270	5,270	5,270	2,660	2,660	88,413
5 Commercial Load Mgmt	0	0	60	1,188	994	994	1,421	994	994	994	0	0	7,639
6 Commercial Lighting	7,889	3,007	5,998	19,738	6,264	12,478	28,597	23,008	14,193	13,525	22,111	17,756	174,564
7 Standby Generator	232,406	232,350	246,580	247,935	241,635	242,363	240,298	258,246	257,246	257,246	257,246	257,246	2,970,797
8 Conservation Value	142,976	847	891	1,541	87,799	1,134	117,588	62,942	2,942	89,942	84,942	2,942	596,486
9 Duct Repair	49,525	34,230	21,992	66,597	21,179	52,650	34,065	48,087	48,425	37,816	36,974	36,974	488,514
10 Renewable Energy Initiative	(1)	(12,286)	(10,659)	(10,422)	(9,275)	(11,873)	(12,182)	0	0	0	0	0	(66,698)
11 Renewable Energy Systems Initiative	4,286	7,161	53,790	70,220	343,685	263,449	171,290	204,874	204,874	15,796	170,026	20,026	1,529,477
12 Industrial Load Management	1,180,408	1,266,793	1,261,845	1,665,135	1,142,699	1,191,771	1,206,463	1,202,561	1,042,555	982,547	1,002,541	962,534	14,107,852
13 DSM R&D	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Commercial Cooling	20,629	6,564	30,098	4,289	1,857	5,364	6,292	7,686	12,635	5,572	7,686	7,686	116,358
15 Residential New Construction	188,075	208,211	185,805	150,516	122,063	194,672	223,904	181,562	181,662	99,373	90,772	90,328	1,916,943
16 Common Expenses	98,437	74,055	121,088	97,850	65,206	86,653	220,397	219,989	162,035	108,475	84,154	70,019	1,408,358
17 Price Responsive Load Mgmt	284,770	321,787	282,943	326,294	291,775	284,263	291,747	239,852	250,497	233,082	236,166	237,551	3,280,727
18 Residential Building Envelope Improvement	112,022	130,683	141,924	176,805	153,704	147,646	146,353	151,356	152,238	137,814	133,213	132,835	1,716,593
19 Residential Electronic Commutated Motors	47	89	228	0	0	0	135	13	148	13	13	13	699
20 Energy Education Outreach	5,322	19,031	3,821	4,971	8,192	15,645	2,782	9,041	7,249	6,800	6,708	5,350	94,912
21 Residential Re-Commissioning	1,936	1,564	707	1,151	817	1,844	2,947	988	988	0	0	0	12,942
22 Residential Low- Income Weatherization	177,200	256,761	191,630	307,598	194,152	508,769	305,388	278,777	278,972	280,560	279,760	278,272	3,337,839
23 Commercial Duct Repair	1,064	900	2,155	14,419	1,267	1,982	9,111	24,371	26,234	6,210	1,537	8,939	98,189
24 Commercial Energy Recovery Ventilation	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Commercial Building Envelope Improvement	670	1,326	501	4,866	2,589	6,909	95,493	114,626	17,709	23,010	7,061	7,061	281,821
26 Commercial Energy Efficient Motors	0	0	0	95	0	0	0	314	314	0	0	0	723
27 Commercial Demand Response	611,677	310,238	307,342	310,642	307,703	307,367	307,342	202,630	202,630	202,630	201,325	201,325	3,472,851
28 Commercial Chiller Replacement	0	0	1,450	486	10,345	9,056	4,813	4,078	2,252	3,877	7,659	2,252	46,268
29 Commercial Occupancy Sensors (Lighting)	0	0	0	0	0	0	0	4,930	3,338	1,721	1,721	30,338	42,048
30 Commercial Refrigeration (Anti-Condensate)	0	0	0	0	0	0	0	26	26	26	26	26	130
31 Commercial Water Heating	0	0	0	0	0	0	0	13	13	13	13	13	65
32 Commercial HVAC Re-Commissioning	2,089	11,984	1,314	12,232	15,455	15,317	1,193	8,540	8,540	0	0	0	76,664
33 Commercial Electronic Commutated Motors	0	0	55	59	27	0	0	436	436	436	436	436	2,321
34 Cool Roof	1,823	2,170	52,877	43,533	34,140	3,051	85,658	12,162	23,506	57,539	68,883	81,153	466,495
35 Commercial Non Conditioned Lighting	0	0	0	0	0	0	0	10,906	5,107	3,765	5,832	5,625	31,235
36 Thermal Energy Storage	0	0	0	0	0	0	0	0	0	0	34,705	34,705	69,410
37 Total	3,658,262	3,651,286	3,607,710	4,183,216	3,765,217	3,966,363	4,208,019	3,916,662	3,554,972	3,176,107	3,285,023	3,017,002	43,989,839
38 Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Recoverable Conservation Expenses	<u>3,658,262</u>	<u>3,651,286</u>	<u>3,607,710</u>	<u>4,183,216</u>	<u>3,765,217</u>	<u>3,966,363</u>	<u>4,208,019</u>	<u>3,916,662</u>	<u>3,554,972</u>	<u>3,176,107</u>	<u>3,285,023</u>	<u>3,017,002</u>	<u>43,989,839</u>

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2015 through July 2015
Projected for Months August 2015 through December 2015

B. CONSERVATION REVENUES	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	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>3,134,934</u>	<u>3,037,710</u>	<u>3,114,108</u>	<u>3,343,478</u>	<u>3,616,066</u>	<u>4,057,108</u>	<u>4,178,181</u>	<u>4,054,552</u>	<u>4,135,922</u>	<u>3,766,952</u>	<u>3,174,859</u>	<u>3,056,645</u>	<u>42,670,516</u>
3. Total Revenues	3,134,934	3,037,710	3,114,108	3,343,478	3,616,066	4,057,108	4,178,181	4,054,552	4,135,922	3,766,952	3,174,859	3,056,645	42,670,516
4. Prior Period True-up	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,745</u>	<u>5,228,885</u>
5. Conservation Revenue Applicable to Period	3,570,674	3,473,450	3,549,848	3,779,218	4,051,806	4,492,848	4,613,921	4,490,292	4,571,662	4,202,692	3,610,599	3,492,390	47,899,401
6. Conservation Expenses (C-3, Page 4, Line 14)	<u>3,658,262</u>	<u>3,651,286</u>	<u>3,607,710</u>	<u>4,183,216</u>	<u>3,765,217</u>	<u>3,966,363</u>	<u>4,208,019</u>	<u>3,916,662</u>	<u>3,554,972</u>	<u>3,176,107</u>	<u>3,285,023</u>	<u>3,017,002</u>	<u>43,989,839</u>
7. True-up This Period (Line 5 - Line 6)	(87,588)	(177,836)	(57,862)	(403,998)	286,589	526,485	405,902	573,630	1,016,690	1,026,585	325,576	475,388	3,909,562
8. Interest Provision This Period (C-3, Page 6, Line 10)	583	538	493	329	348	394	401	1,418	2,495	3,367	4,192	4,171	18,729
9. True-up & Interest Provision Beginning of Period	7,550,001	7,027,256	6,414,218	5,921,109	5,081,700	4,932,897	5,024,036	4,994,599	5,133,907	5,717,352	6,311,564	6,205,592	7,550,001
10. Prior Period True-up Collected/(Refunded)	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,745)</u>	<u>(5,228,885)</u>
11. End of Period Total - Over/(Under) Recovered	<u>7,027,256</u>	<u>6,414,218</u>	<u>5,921,109</u>	<u>5,081,700</u>	<u>4,932,897</u>	<u>5,024,036</u>	<u>4,994,599</u>	<u>5,133,907</u>	<u>5,717,352</u>	<u>6,311,564</u>	<u>6,205,592</u>	<u>6,249,406</u>	<u>6,249,407</u>
Previous EOP Change * Net of Revenue Taxes													
(A) Included in Line 6													
								<u>Summary of Allocation</u>		<u>Forecast</u>		<u>Ratio</u>	<u>True Up</u>
								Demand		29,383,815		0.62	3,874,632
								Energy		<u>18,371,637</u>		<u>0.38</u>	<u>2,374,775</u>
								Total		<u>47,755,452</u>		<u>1.00</u>	<u>6,249,407</u>

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of Interest Provision

Actual for Months January 2015 through July 2015
Projected for Months August 2015 through December 2015

C. INTEREST PROVISION	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Beginning True-up Amount (C-3, Page 5, Line 9)	\$7,550,001	\$7,027,256	\$6,414,218	\$5,921,109	\$5,081,700	\$4,932,897	\$5,024,036	\$4,994,599	\$5,133,907	\$5,717,352	\$6,311,564	\$6,205,592	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	<u>7,026,673</u>	<u>6,413,680</u>	<u>5,920,616</u>	<u>5,081,371</u>	<u>4,932,549</u>	<u>5,023,642</u>	<u>4,994,198</u>	<u>5,132,489</u>	<u>5,714,857</u>	<u>6,308,197</u>	<u>6,201,400</u>	<u>6,245,235</u>	
3. Total Beginning & Ending True-up	<u>\$14,576,674</u>	<u>\$13,440,936</u>	<u>\$12,334,834</u>	<u>\$11,002,480</u>	<u>\$10,014,249</u>	<u>\$9,956,539</u>	<u>\$10,018,234</u>	<u>\$10,127,088</u>	<u>\$10,848,764</u>	<u>\$12,025,549</u>	<u>\$12,512,964</u>	<u>\$12,450,827</u>	
4. Average True-up Amount (50% of Line 3)	<u>\$7,288,337</u>	<u>\$6,720,468</u>	<u>\$6,167,417</u>	<u>\$5,501,240</u>	<u>\$5,007,125</u>	<u>\$4,978,270</u>	<u>\$5,009,117</u>	<u>\$5,063,544</u>	<u>\$5,424,382</u>	<u>\$6,012,775</u>	<u>\$6,256,482</u>	<u>\$6,225,414</u>	
5. Interest Rate - First Day of Month	<u>0.100%</u>	0.100%	0.090%	0.090%	0.060%	0.100%	0.080%	0.110%	0.550%	0.550%	0.800%	0.800%	
6. Interest Rate - First Day of Next Month	<u>0.100%</u>	<u>0.090%</u>	<u>0.090%</u>	<u>0.060%</u>	<u>0.100%</u>	<u>0.080%</u>	<u>0.110%</u>	<u>0.550%</u>	<u>0.550%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	
7. Total (Line 5 + Line 6)	<u>0.200%</u>	<u>0.190%</u>	<u>0.180%</u>	<u>0.150%</u>	<u>0.160%</u>	<u>0.180%</u>	<u>0.190%</u>	<u>0.660%</u>	<u>1.100%</u>	<u>1.350%</u>	<u>1.600%</u>	<u>1.600%</u>	
8. Average Interest Rate (50% of Line 7)	<u>0.100%</u>	<u>0.095%</u>	<u>0.090%</u>	<u>0.075%</u>	<u>0.080%</u>	<u>0.090%</u>	<u>0.095%</u>	<u>0.330%</u>	<u>0.550%</u>	<u>0.675%</u>	<u>0.800%</u>	<u>0.800%</u>	
9. Monthly Average Interest Rate (Line 8/12)	<u>0.008%</u>	<u>0.008%</u>	<u>0.008%</u>	<u>0.006%</u>	<u>0.007%</u>	<u>0.008%</u>	<u>0.008%</u>	<u>0.028%</u>	<u>0.046%</u>	<u>0.056%</u>	<u>0.067%</u>	<u>0.067%</u>	
10. Interest Provision (Line 4 x Line 9)	<u>\$583</u>	<u>\$538</u>	<u>\$493</u>	<u>\$330</u>	<u>\$350</u>	<u>\$398</u>	<u>\$401</u>	<u>\$1,418</u>	<u>\$2,495</u>	<u>\$3,367</u>	<u>\$4,192</u>	<u>\$4,171</u>	<u>\$18,736</u>

TAMPA ELECTRIC COMPANY
 Energy Conservation
 Calculation of Conservation Revenues

Actual for Months January 2015 through July 2015
 Projected for Months August 2015 through December 2015

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,423,894	-	3,134,934
February	1,371,917	-	3,037,710
March	1,275,956	-	3,114,108
April	1,290,230	-	3,343,478
May	1,515,132	-	3,616,066
June	1,773,051	-	4,057,108
July	1,854,062	-	4,178,181
August	1,766,968	-	4,054,552
September	1,827,509	-	4,135,922
October	1,635,978	-	3,766,952
November	1,398,111	-	3,174,859
December	1,359,760	-	3,056,645
Total	<u>18,492,567</u>	<u>0</u>	<u>42,670,515</u>

PROGRAM DESCRIPTION AND PROGRESS

Program Title: HEATING AND COOLING

Program Description: This is a residential conservation program designed to reduce weather-sensitive peaks by providing incentives for the installation of high efficiency heating and air conditioning equipment at existing residences.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 4,661 units projected to be installed and approved.

January 1, 2016 to December 31, 2016

During this period, there are 3,480 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$1,437,531.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$575,094.

Program Progress

Summary:

Through December 31, 2014, there were 189,147 units installed and approved.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRIME TIME

Program Description: This is a residential load management program designed to directly control the larger loads in customers' homes such as air conditioning, water heating, electric space heating, and pool pumps. Participating customers receive monthly credits on their electric bills.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 19,649 projected customers for this program on a cumulative basis.

January 1, 2016 to December 31, 2016

During this period, there are 14,000 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$3,960,127.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,731,793.

Program Progress Summary:

There were 26,280 cumulative customers participating through December 31, 2014.

Breakdown is as follows:

Water Heating	23,759
Air Conditioning	17,997
Heating	18,446
Pool Pump	4,714

Per Commission Order No. PSC- 05-0181-PAA-EG issued February 16, 2005, Prime Time is closed to new participants. At this time, Tampa Electric has filed a petition to initiate a phased closure of the Prime Time program that will be heard before the Commission in Docket 150147 on August 27, 2015. If approved, all remaining customers will be removed from the program by July 1, 2016, all incentives will stop by the end of July 31, 2016 and all equipment will be disconnected by December 31, 2016.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY AUDITS

Program Description: These are on-site, on-line and phone-in audits of residential, commercial and industrial premises that instruct customers on how to use conservation measures and practices to reduce their energy usage.

Program Projections: January 1, 2015 to December 31, 2015

Residential – 9,040 (RCS - 3; Free – 8,130; Customer Assisted – 906, BERS - 1)

Comm/Ind – 910 (Paid - 5; Free – 905)

January 1, 2016 to December 31, 2016

Residential – 9,608 (RCS - 4; Free – 8,400; Customer Assisted – 1,200, BERS - 4)

Comm/Ind – 860 (Paid - 10 Free – 850)

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$2,221,546.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,128,511.

Program Progress Summary:

Through December 31, 2014 the following audit totals are:

Residential RCS (Fee)	3,890
Residential Alt (Free)	299,928
BERS Audit	80
Residential Cust. Assisted ⁽¹⁾	120,813
Commercial-Ind (Fee)	232
Commercial-Ind (Free)	22,521
Commercial Mail-in	1,477
<hr/> Total	448,391

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

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COGENERATION

Program Description: This program encourages the development of cost-effective commercial and industrial cogeneration facilities through standard offers and negotiation of contracts for the purchase of firm capacity and energy.

Program Projections: January 1, 2015 to December 31, 2015

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 expected.

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. Tampa Electric will continue working with customers to evaluate the economics of additional capacity in future years.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$88,413.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$53,400.

Program Progress Summary:

The projected total maximum generation by electrically interconnected cogeneration during 2015 will be approximately 528 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 nine separate locations with cogeneration on-line in Tampa Electric's service area.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: This is a load management program that achieves weather-sensitive demand reductions through load control of equipment at the facilities of firm commercial customers.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are no new installations expected.

January 1, 2016 to December 31, 2016

During this period, there are no new installations expected.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$7,639

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$10,859.

Program Progress Summary:

Through December 31, 2014 there were six commercial installations in service.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LIGHTING

Program Description: This is a conservation program designed to reduce weather-sensitive peaks by encouraging investment in more efficient lighting technology in commercial facilities.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 64 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 70 customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$205,799.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$291,254.

Program Progress

Summary:

Through December 31, 2014, there were 1,897 customers that have participated.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: STANDBY GENERATOR

Program Description: This is a program designed to utilize the emergency generation capacity at firm commercial/industrial facilities in order to reduce weather-sensitive peak demand.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are two installations expected.

January 1, 2016 to December 31, 2016

During this period, there are one installations expected.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$2,970,797

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,122,272.

Program Progress Summary:

Through December 31, 2014, there are 99 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

Program Description: This is an incentive program for firm commercial/industrial customers that encourages additional investments in substantial demand shifting or demand reduction measures.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

During this period, there are four customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$596,486.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$235,148.

Program Progress

Summary:

Through December 31, 2014, there were 45 customers that have participated. Tampa Electric continues to work with customers on evaluations of various measures.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL DUCT REPAIR

Program Description: This is a residential conservation program designed to reduce weather-sensitive peaks by offering incentives to encourage the repair of the air distribution system in a residence.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 2,325 repairs projected to be made.

January 1, 2016 to December 31, 2016

During this period, there are 2,040 repairs projected to be made.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$488,514

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$406,565.

Program Progress Summary:

Through December 31, 2014, there are 96,034 customers that have participated.

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, 2015 to December 31, 2015

During this period, there are 1,900 expected customers with 2,800 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, 2016 to December 31, 2016

During this period, there are 1,900 expected customers with 2,800 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, 2015 to December 31, 2015

During this period, the company anticipates excess revenues of approximately \$373,959 to be used for new renewable generation.

January 1, 2016 to December 31, 2016

During this period, the company anticipates excess revenues of approximately \$175,320 to be used for new renewable generation.

Program Progress Summary:

Through December 31, 2014, there were 1,975 customers with 2,937 blocks subscribed. In addition, there were 3,633 blocks of renewable energy purchased on a one time basis.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RENEWABLE ENERGY SYSTEMS INITIATIVE

Program Description: This initiative is a five-year renewable energy pilot program that uses rebates and incentives to encourage the following: 1) the installation of solar photovoltaic ("PV") and solar water heating ("SWH") technologies on existing and new residential and commercial premises; 2) the installation of PV on emergency shelter schools coupled with an educational component for teachers and students; and 3) the installation of SWH on low income housing done in partnership with local non-profit building organizations.

Program Projections: January 1, 2015 to December 31, 2015

PV Systems - 63
Residential SWH - 77
School PV- 1
Low-Income SWH - 4

January 1, 2016 to December 31, 2016

The Renewable Energy Systems Initiative will expire at the end of 2015.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$1,529,477

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0 due to the program expiring.

Program Progress Summary:

There were 444 customers that participated through December 31, 2014.

Breakdown is as follows:

Residential PV Systems – 228
Commercial PV Systems – 25
Residential SWH - 174
School PV- 4
Low-Income SWH - 13

PROGRAM DESCRIPTION AND PROGRESS

Program Title: INDUSTRIAL LOAD MANAGEMENT

Program Description: This is a load management program for large industrial customers with interruptible loads of 500 kW or greater.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$14,107,852.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$13,539,870.

Program Progress Summary:

Through December 31, 2014, there are 41 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

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

Program Description: This is a five-year R&D program directed at end-use technologies (both residential and commercial) not yet commercially available or where insufficient data exists for measure evaluations specific to central Florida climate.

Program Projections: See Program Progress Summary.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$0.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$200,000.

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: COMMERCIAL COOLING

Program Description: This is an incentive program to encourage the installation of high efficiency direct expansion and Package Terminal Air Conditioning commercial air conditioning equipment.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 181 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 130 customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$116,358.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$36,838.

Program Progress Summary:

Through December 31, 2014, there were 2,055 units installed and approved.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL NEW CONSTRUCTION

Program Description: This is a program that encourages the construction of new homes to be above the minimum energy efficiency levels required by the State of Florida Energy Efficiency Code for New Construction through the installation of high efficiency equipment and building envelope options.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 2,038 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 1,200 customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$1,916,943.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,073,123.

Program Progress

Summary:

Through December 31, 2014, a total of 9,274 approved homes have participated.

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, 2015 to December 31, 2015

Expenditures are estimated to be \$1,408,358.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$823,150.

Program Progress Summary: N/A

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRICE RESPONSIVE LOAD MANAGEMENT

Program Description: A load management program designed to reduce weather sensitive peak loads by offering a multi-tiered rate structure designed as an incentive for participating customers to reduce their electric demand during high cost or critical periods of generation.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 4,196 projected customers for this program on a cumulative basis.

January 1, 2016 to December 31, 2016

During this period, there are 5,196 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$3,280,727.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,185,916.

Program Progress Summary:

Through December 31, 2014, there were 3,196 participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL BUILDING ENVELOPE IMPROVEMENT

Program Description: This is a program that encourages customers to make cost-effective improvements to existing residences in the areas of ceiling insulation, wall insulation, and window improvements.

Program Projections: January 1, 2015 to December 31, 2015

Ceiling Insulation – 3,600
Wall Insulation - 5
Window Upgrades – 1,869
Window Film - 236

January 1, 2016 to December 31, 2016

Ceiling Insulation – 2,760
Wall Insulation – 12
Window Upgrades – 1,584
Window Film - 0

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$1,716,593.

January 1, 2016 to December 31, 2016

Expenditures are estimated at \$1,325,979.

Program Progress Summary:

Through December 31, 2014, there were 128,993 customers that have participated in the company’s residential building envelope improvement program. The breakdown is as follows:

Ceiling insulation – 117,473
Exterior wall insulation – 63
Window replacement – 8,496
Window film – 2,961

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ELECTRONICALLY COMMUTATED MOTOR

Program Description: This is a conservation program designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment. The program is designed to help residential customers improve the overall efficiency of their existing equipment by replacing the existing motor in the air-handler with an Electronically Commutated Motor.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$699.

January 1, 2016 to December 31, 2016

Expenditures are estimated at \$913.

Program Progress Summary:

Through December 31, 2014, one customer has participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY EDUCATION OUTREACH

Program Description: The Energy Education Outreach Program is comprised of two distinct initiatives: 1) public education, and 2) energy awareness. The program is designed to establish opportunities for engaging groups of customers and students, in energy-efficiency related discussions in an organized setting.

Participants will be provided with energy saving devices and supporting information appropriate for the audience.

Program Projections: January 1, 2015 to December 31, 2015.

During this period, there are 1,177 customers expected to participate in energy awareness education presentations.

January 1, 2016 to December 31, 2016

During this period, there are 2,000 customers expected to participate in energy awareness education presentations.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$94,912.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$115,708.

Program Progress Summary:

Through 2014, Tampa Electric has partnered with 103 local schools to present Energy Education to 32,626 students. In addition, the company gave 83 presentations to civic organizations that generated 637 customer assisted audits and distributed 3,217 energy saving kits to participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL HVAC RE-COMMISSIONING

Program Description: This is a conservation program designed to help residential customers ensure air conditioning and heating equipment is operating at optimal efficiency through maintenance and equipment tune-up. This will in turn help participating customers reduce demand and energy usage and help to promote good long-term maintenance habits.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 60 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 0 customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$12,942.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

Program Progress Summary:

Through December 31, 2014, a total of 955 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: NEIGHBORHOOD WEATHERIZATION AND AGENCY OUTREACH

Program Description: This program is designed to assist low-income families in reducing their energy usage. The goal of the program is to establish a package of conservation measures at no cost for the customer. In addition to providing and/or installing the necessary materials for the various conservation measures, a key component will be educating families on energy conservation techniques to promote behavioral changes to help customers control their energy usage.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 7,285 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 7,250 customers expected to participate.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$3,337,839.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,671,167.

Program Progress Summary:

Through December 31, 2014, a total of 15,975 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

Program Description: This is a commercial conservation program designed to reduce weather-sensitive peaks for commercial HVAC units less than or equal to 65,000 Btu/h by offering incentives to encourage the repair of the air distribution system in commercial facilities.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 319 repairs expected to be made.

January 1, 2016 to December 31, 2016

During this period, there are 300 repairs expected to be made.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$98,188.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$79,455.

Program Progress

Summary:

Through December 31, 2014, a total of 10,677 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ENERGY RECOVERY VENTILATION

Program Description: This is a conservation program designed to help commercial/industrial customers reduce humidity and HVAC loads in buildings. This measure is intended to reduce demand and energy while improving comfort of commercial buildings.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

**Program Fiscal
Expenditures:**

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$0.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

**Program Progress
Summary:**

Through December 31, 2014, three customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL BUILDING ENVELOPE IMPROVEMENT

Program Description: This is a program that encourages customers to make cost-effective improvements to existing commercial facilities in the areas of ceiling insulation, wall insulation and window improvements.

Program Projections: January 1, 2015 to December 31, 2015

Ceiling Insulation – 49
Wall Insulation - 1
Window Film – 11
Roof Insulation - 1

January 1, 2016 to December 31, 2016

Ceiling Insulation - 50
Wall Insulation - 1
Window Film – 0
Roof Insulation - 0

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$281,821.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$286,912.

Program Progress Summary:

Through December 31, 2014, a total of 359 customers have participated in this program.

Ceiling insulation – 251
Roof insulation - 6
Exterior wall insulation – 2
Window film – 100

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ENERGY EFFICIENT MOTORS

Program Description: This is a commercial/industrial conservation program designed to reduce weather-sensitive peaks by providing incentives for the installation of high efficiency motors at existing commercial/industrial facilities.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$723.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

Program Progress

Summary:

Through December 31, 2014, a total of 124 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DEMAND RESPONSE

Program Description: Tampa Electric’s Commercial Demand Response is a conservation and load management program intended to help alter the company’s system load curve by reducing summer and winter demand peaks.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$3,472,851.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,623,633.

Program Progress Summary:

Through December 31, 2014, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER REPLACEMENT

Program Description: This is an incentive program to encourage the installation of high efficiency air and water cooled chilled commercial air conditioning equipment.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 10 units projected to be installed and approved.

January 1, 2016 to December 31, 2016

During this period, there are 10 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$46,268.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$38,098.

Program Progress

Summary:

Through December 31, 2014, a total of 49 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL OCCUPANCY SENSORS (LIGHTING)

Program Description: This program is aimed at reducing the growth of peak demand and energy by providing an incentive to encourage commercial/industrial customers to install occupancy sensors in any area where indoor lights would be used on peak.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$42,048.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$25,657.

Program Progress

Summary:

Through December 31, 2014, a total of 198 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL REFRIGERATION (ANTI-CONDENSATE)

Program Description: This program is designed to reduce the peak demand and energy consumption for commercial/industrial customers by increasing the use of efficient refrigeration controls and equipment.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$130.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,476.

Program Progress Summary:

Through December 31, 2014, no customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WATER HEATING

Program Description: This is a conservation program designed to reducing future growth of demand and energy consumption by encouraging commercial/industrial customers to install high efficiency water heating systems.

Program Projections: January 1, 2015 to December 31, 2015

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

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$65.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,518.

Program Progress Summary:

Through December 31, 2014, no customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL HVAC RE-COMMISSIONING

Program Description: This is a conservation program designed to help commercial/industrial customers ensure HVAC equipment is operating at optimal efficiency by incenting maintenance and tune-up of equipment. This will in turn help commercial/industrial customers reduce demand and energy usage.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 113 customers expected to participate.

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$76,664.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

Program Progress Summary:

Through December 31, 2014, 296 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTOR

Program Description: This is a conservation program designed to encourage commercial/industrial customers to install electronically commutative motors in existing air conditioning and refrigeration equipment. The program is aimed at reducing the growth of peak demand and energy by encouraging customers to replace worn out, inefficient equipment with high efficiency equipment that exceeds minimum product manufacturing standards.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 32 customers expected to participate.

January 1, 2016 to December 31, 2016

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

Program Fiscal Expenditures:

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$2,321.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$4,386.

Program Progress Summary:

Through December 31, 2014, no customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOL ROOF

Program Description: This is a conservation program designed to encourage commercial/industrial customers to install a cool roof system above conditioned spaces. This measure is intended to reduce heat transfer through reflectance which, in turn, reduces HVAC load and improves comfort.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 42 customers expected to participate.

January 1, 2016 to December 31, 2016

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

**Program Fiscal
Expenditures:**

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$466,495.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$365,404.

**Program Progress
Summary:**

Through December 31, 2014, 149 customers have participated in this program.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

Program Description: The Commercial TES Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing off-peak air conditioning systems to help reduce their demand while reducing Tampa Electric's weather sensitive peak demand. Tampa Electric will provide a rebate to customers who install qualifying TES systems.

Program Projections: January 1, 2015 to December 31, 2015

During this period, there are 2 customers expected to participate.

January 1, 2016 to December 31, 2016

During this period, there are 6 customers expected to participate.

**Program Fiscal
Expenditures:**

January 1, 2015 to December 31, 2015

Expenditures are estimated to be \$69,410.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$238,230.

**Program Progress
Summary:**

Through December 31, 2014, zero customers have participated in this program.

2016 GSLM Incentive Calculation

Annual KW Reduction 37,375
Annual Incentive \$329,098
Dollar Per KW \$8.805298

Month	KW Reduction	Incentive
Jan	1,525	13,428
Feb	1,525	13,428
Mar	1,525	13,428
Apr	4,250	37,423
May	4,250	37,423
Jun	4,250	37,423
Jul	4,250	37,423
Aug	4,250	37,423
Sep	4,250	37,423
Oct	4,250	37,423
Nov	1,525	13,428
Dec	1,525	13,428
Total		329,098

2016 \$/kW Filing⁽¹⁾ \$8.81

⁽¹⁾Rounded to the nearest cent.

INPUT DATA - PART 1
PROGRAM TITLE: GSLM 2&3 CCV 2016

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PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	4,250.000 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	4,165.039 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	7.0% %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	747,889 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.2% %
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	747,500 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	1.4600
II. (5) K FACTOR FOR T & D	1.4600
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	122946.47 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	1,607 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.5 %
III. (4) CUSTOMER EQUIPMENT COST	0.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.3 %
III. (6) CUSTOMER O & M COST	0 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.3 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0 %
III. (10)* INCREASED SUPPLY COSTS	0 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0 %
III. (12)* UTILITY DISCOUNT RATE	0.07287
III. (13)* UTILITY AFUDC RATE	0.0647
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	0.00 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	329,178.07 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2016
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2021
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2017
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	607.48 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	0.00 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	0.00 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.5 %
IV. (8) GENERATOR FIXED O & M COST	11.92 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.5 %
IV. (10) TRANSMISSION FIXED O & M COST	0.00 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	0.00 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	0 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.193 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.5 %
IV. (15) GENERATOR CAPACITY FACTOR	5.5 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.44 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.66 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	1.988 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.740 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.00

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	31.99
(2)* PARTICIPANT NET BENEFITS (NPV)	18,924
(3)* RIM TEST - BENEFIT/COST RATIO	1.20

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ECCR 2016 PROJECTION
CALCULATION OF GSLM CCV
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TOTAL RESOURCE COST TESTS
PROGRAM: GSLM 2&3 CCV 2016

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(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	124	0	0	124	0	0	13	0	13	(111)	(111)	
2017	0	128	0	0	128	0	0	42	0	42	(87)	(192)	
2018	0	133	0	0	133	0	0	62	0	62	(71)	(254)	
2019	0	138	0	0	138	0	0	89	0	89	(49)	(294)	
2020	0	144	0	0	144	0	0	117	0	117	(27)	(314)	
2021	0	9	0	0	9	3,034	0	138	0	3,172	3,163	1,911	
2022	0	9	0	0	9	2,945	0	149	0	3,094	3,085	3,934	
2023	0	10	0	0	10	2,860	0	146	0	3,006	2,997	5,765	
2024	0	10	0	0	10	2,774	0	153	0	2,927	2,917	7,427	
2025	0	10	0	0	10	2,695	0	158	0	2,853	2,843	8,936	
2026	0	10	0	0	10	2,620	0	165	0	2,784	2,774	10,309	
2027	0	11	0	0	11	2,559	0	167	0	2,727	2,716	11,562	
2028	0	11	0	0	11	2,493	0	170	0	2,664	2,653	12,703	
2029	0	11	0	0	11	2,433	0	182	0	2,616	2,604	13,747	
2030	0	11	0	0	11	2,371	0	192	0	2,564	2,552	14,700	
2031	0	12	0	0	12	2,303	0	205	0	2,509	2,497	15,569	
2032	0	12	0	0	12	2,236	0	210	0	2,445	2,433	16,359	
2033	0	12	0	0	12	2,170	0	224	0	2,394	2,381	17,079	
2034	0	13	0	0	13	2,091	0	243	0	2,334	2,322	17,734	
2035	0	13	0	0	13	2,029	0	246	0	2,275	2,262	18,328	
2036	0	13	0	0	13	1,967	0	261	0	2,228	2,215	18,871	
2037	0	13	0	0	13	1,907	0	268	0	2,175	2,162	19,364	
2038	0	14	0	0	14	1,879	0	285	0	2,164	2,150	19,822	
2039	0	14	0	0	14	1,847	0	289	0	2,137	2,123	20,243	
2040	0	15	0	0	15	1,824	0	290	0	2,114	2,099	20,631	
NOMINAL	0	900	0	0	900	47,039	0	4,464	0	51,502	50,602		
NPV:	0	666	0	0	666	19,562	0	1,734	0	21,297	20,631		
Discount Rate		0.07287	Benefit/Cost Ratio - [col (11)/col (6)]:					31.99					

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CALCULATION OF GSLM CCV
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PARTICIPANT COSTS AND BENEFITS
PROGRAM: GSLM 2&3 CCV 2016

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(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	22	0	165	0	186	0	0	0	0	186	186
2017	66	0	494	0	560	0	0	0	0	560	708
2018	110	0	823	0	933	0	0	0	0	933	1,519
2019	158	0	1,152	0	1,310	0	0	0	0	1,310	2,579
2020	208	0	1,481	0	1,689	0	0	0	0	1,689	3,854
2021	240	0	1,646	0	1,886	0	0	0	0	1,886	5,181
2022	247	0	1,646	0	1,893	0	0	0	0	1,893	6,422
2023	249	0	1,646	0	1,895	0	0	0	0	1,895	7,580
2024	254	0	1,646	0	1,900	0	0	0	0	1,900	8,663
2025	259	0	1,646	0	1,905	0	0	0	0	1,905	9,674
2026	265	0	1,646	0	1,911	0	0	0	0	1,911	10,620
2027	267	0	1,646	0	1,913	0	0	0	0	1,913	11,503
2028	272	0	1,646	0	1,918	0	0	0	0	1,918	12,327
2029	275	0	1,646	0	1,921	0	0	0	0	1,921	13,097
2030	280	0	1,646	0	1,926	0	0	0	0	1,926	13,817
2031	287	0	1,646	0	1,933	0	0	0	0	1,933	14,490
2032	294	0	1,646	0	1,940	0	0	0	0	1,940	15,119
2033	302	0	1,646	0	1,948	0	0	0	0	1,948	15,709
2034	313	0	1,646	0	1,959	0	0	0	0	1,959	16,261
2035	322	0	1,646	0	1,968	0	0	0	0	1,968	16,778
2036	333	0	1,646	0	1,979	0	0	0	0	1,979	17,263
2037	352	0	1,646	0	1,998	0	0	0	0	1,998	17,719
2038	364	0	1,646	0	2,009	0	0	0	0	2,009	18,147
2039	377	0	1,646	0	2,022	0	0	0	0	2,022	18,548
2040	388	0	1,646	0	2,033	0	0	0	0	2,033	18,924
NOMINAL	6,505	0	37,033	0	43,537	0	0	0	0	43,537	
NPV:	2,661	0	16,263	0	18,924	0	0	0	0	18,924	
In service year of gen unit:			2021		#DIV/0!						

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DOCKET NO. 150002-EG
ECCR 2016 PROJECTION
CALCULATION OF GSLM CCV
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**RESIDENTIAL SERVICE
2016 VARIABLE PRICING (RSVP-1) RATES
CENTS PER KWH**

Rate Tiers	<u>Base Rate</u>	<u>Fuel</u>	<u>Capacity</u>	<u>Environmental</u>	<u>Conservation</u>	<u>Total Clauses</u>	<u>Base Rate Plus Clauses</u>
P4	5.011	3.676	0.178	0.432	30.774	35.060	40.071
P3	5.011	3.676	0.178	0.432	7.176	11.462	16.473
P2	5.011	3.676	0.178	0.432	-0.645	3.641	8.652
P1	5.011	3.676	0.178	0.432	-2.165	2.121	7.132