AUSLEY MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

August 9, 2019

VIA: ELECTRONIC FILING

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

Re: Energy Conservation Cost Recovery Clause
FPSC Docket No. 20190002-EG

Dear Mr. Teitzman:

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 MMR-2 of Mark R. Roche.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/bmp
Attachment

cc: All Parties of Record (w/attachment)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery Clause.	DOCKET NO. 20190002-EG
	FILED: August 9, 2019

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 2020 and the Final Tax Savings Credit factors to provide a refund of $11,500,000 that was agreed upon in the Commission approved Settlement Agreement in Docket No 20170271-EI approved by Order No. PSC-2019-0234-AS-EI. In support thereof, the company says:

Conservation Cost Recovery

1. During the period January through December 2018, Tampa Electric incurred actual net conservation costs of $44,558,716 plus a beginning true-up under-recovery of $649,400 for a total of $45,208,116. The amount collected through the Conservation Cost Recovery Clause was $42,504,089. The true-up amount for January through December 2018 was an under-recovery of $2,738,782 including interest. (See Exhibit No. MRR-1; Schedule CT-1, Page 1 of 1 and CT-2, Page 1 of 4, filed May 1, 2018).

2. During the period January through December 2019, the company anticipates incurring expenses of $47,050,013. For the period, the total net true-up over-recovery is estimated to be $7,721,991 including interest. (See Exhibit No. MRR-2; Schedule C-3, page 13 of 13).

3. For the forthcoming cost recovery period January through December 2020, Tampa Electric projects its total incremental conservation costs to be $41,518,534. Tampa Electric's total true-up and projected expenditures for the projection period are estimated to be $49,240,525

including true-up estimates for January through December 2019. Utilizing the rate design and cost allocation as put forth in Docket No. 20130040-EI, the required conservation cost recovery factors are as follows:

Rate Schedule	**Cost Recovery Factors (cents per kWh)**
RS	0.232
GS and CS	0.216
GSD Optional–Secondary	0.194
GSD Optional–Primary	0.192
GSD Optional–Subtransmission	0.190
LS-1	0.118

Rate Schedule	**Cost Recovery Factors (dollars per kW)**
GSD-Secondary	0.84
GSD-Primary	0.83
GSD-Subtransmission	0.82
SBF–Secondary	0.84
SBF–Primary	0.83
SBF–Subtransmission	0.82
IS–Secondary	0.73
IS-Primary	0.72
IS–Subtransmission	0.72

(See Exhibit No. MRR-2; Schedule C-1, Page 1 of 1)

4. The Contracted Credit Value ("CCV") amounts for the forthcoming cost recovery period, January through December 2020, as approved by the Commission in Order No. PSC-2017-0456-S-EI, shall be as follows:

CCV dollars per kW by Voltage Level

Secondary	Primary	Subtransmission
10.23	10.13	10.03

5. At the time required for this projection filing, the company has not completed the analysis to determine all of the other clause factors that are utilized to calculate and establish the RSVP-1 rates for the January through December 2020 period. The company will file with the Commission the proposed RSVP-1 rates for Tampa Electric's Price Responsive Load Management program based upon the company's 2020 residential base rates and the 2020 projected clause amounts for the ECCR, Fuel and Purchased Power Cost Recovery, Capacity Cost Recovery and Environmental Cost Recovery clauses as soon as the remaining clause factors are finalized.

Final Tax Savings Credit

6. Tampa Electric projects the proposed credit factors to be applied during the January 2020 billing cycles. During the period, the estimated amount of refund will be $11,500,000. Using this as the estimate, the January 2020 credit recovery factors for firm retail rate classes are as follows:

Rate Schedule	Credit Factor (cents per kWh)
RS	0.906
GS and CS	0.770
GSD Optional–Secondary	0.645

GSD Optional–Primary	0.639
GSD Optional–Subtransmission	0.632
LS-1	0.172

Rate Schedule	**Credit Factor (dollars per kW)**
GSD-Secondary	2.71
GSD-Primary	2.68
GSD-Subtransmission	2.66
SBF–Secondary	2.71
SBF–Primary	2.68
SBF–Subtransmission	2.66
IS–Secondary	2.18
IS-Primary	2.16
IS–Subtransmission	2.14

(See Exhibit No. MRR-3; Page 3 of 4)

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

WHEREFORE, Tampa Electric Company requests the Commission's approval of the company's prior period conservation cost recovery true-up calculations and projected conservation cost recovery charges to be collected during the period January 1, 2020 through December 31, 2020 and the company's Final Tax Savings Credit factors to provide the one time refund in January 2020.

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DATED this 9th day of August, 2019.

DATED this 9th day of August, 2019.

Respectfully submitted,

JAMES D. BEASLEY
jbeasley@ausley.com
J. JEFFRY WAHLEN
jwahlen@ausley.com
MALCOLM N. MEANS
mmeans@ausley.com
Ausley McMullen
Post Office Box 391
Tallahassee, Florida 32302
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 9th day of August 2019 to the following:

Ms. Margo DuVal
Senior Attorney
Office of General Counsel
Florida Public Service Commission
Room 390L – Gerald L. Gunter Building
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
MDuval@psc.state.fl.us

Ms. Patricia A. Christensen
Associate Public Counsel
Office of Public Counsel
111 West Madison Street, Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us

Mr. Matthew R. Bernier
Duke Energy Florida, LLC
106 E. College Avenue, Suite 800
Tallahassee, FL 32301-7740
matthew.bernier@duke-energy.com

Ms. Dianne M. Triplett
Duke Energy Florida, LLC
299 First Avenue North
St. Petersburg, FL 33701
dianne.triplett@duke-energy.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1858
Ken.Hoffman@fpl.com

Ms. Maria J. Moncada
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
maria.moncada@fpl.com

Mr. Jon C. Moyle, Jr.
Moyle Law Firm
118 N. Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com
mqualls@moylelaw.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe Street, Suite 601
Tallahassee, FL 32301-1839
bkeating@gunster.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0100
Russell.Badders@nexteraenergy.com

Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591
srg@beggslane.com

Ms. Holly Henderson
Senior Manager Regulatory Affairs
Gulf Power Company
215 South Monroe Street, Suite 618
Tallahassee, FL 32301
Holly.Henderson@nexteraenergy.com

Mr. James W. Brew
Ms. Laura A. Wynn
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
laura.wynn@smxblaw.com

ATTORNEY

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20190002-EG

IN RE: CONSERVATION COST RECOVERY CLAUSE

TESTIMONY AND EXHIBIT

OF

MARK R. ROCHE

FILED: AUGUST 9, 2019

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

MARK R. ROCHE

Q. Please state your name, address, occupation and employer.

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

Q. Please provide a brief outline of your educational background and business experience.

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

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

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

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

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

A. The purpose of my testimony is to support the company's actual conservation costs incurred during the period January through December 2018, the actual/projected period January to December 2019, and the projected period January through December 2020. The projected 2020 ECCR

factors have been calculated based on the current approved allocation methodology. Also, I will support the appropriate Contracted Credit Value ("CCV") for participants in the General Service Industrial Load Management Riders ("GSLM-2" and "GSLM-3") for the period January through December 2020. I will also support the appropriate Residential Variable Pricing Rates ("RSVP-1") for participants in the Residential Price Responsive Load Management Program for the period January through December 2020.

In addition, I will support the appropriate January 2020 "Final Tax Savings Credit" factors to provide a projected refund of $11,500,000 that was agreed upon in the Commission approved Settlement Agreement in Docket No. 20170271-EI approved by Order No. PSC-2019-0234-AS-EI, issued on June 14, 2019. In the Settlement Agreement, this bill credit was based on the difference between the annual tax savings amount established in Docket No. 20180045-EI, In re: Consideration of the tax impacts associated with Tax Cuts and Jobs Act of 2017 for Tampa Electric Company, and the reduced recoverable amount that was incurred from restoration costs for five tropical storms. Tampa Electric agreed to refund to customers $11,500,000 as a one-time bill credit, to be reflected as

a separate line item on customer's bills for the first billing cycle of January 2020.

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

A. Yes. Exhibit No. MRR-2 and MRR-3 were prepared under my direction and supervision. Exhibit No. MRR-2 includes Schedules C-1 through C-5 and associated data which support the development of the conservation cost recovery factors for January through December 2020 using the current 12 Coincident Peak ("CP") and 1/13 Average Demand ("AD") Factor allocation methodology. Exhibit No. MRR-3 includes the schedules and associated data which support the development of the one-time bill "Final Tax Savings Credit" factors for January 2020, and the associated on-bill messaging for December and January, and other communication channels that will be used to further explain the credit to customers.

Q. Does the Exhibit No. MRR-2 meet the requirements of Rule 25-17.015, Florida Administrative Code ("F.A.C."), which requires the projection filing to include the annual estimated/actual true-up filing showing actual and projected common costs, individual program costs, and any

revenues collected?

A. Yes, it does.

Q. What timeframe did Tampa Electric use to develop its 2019 annual estimated/actual true-up filing?

A. Tampa Electric developed its 2019 annual estimated/actual true-up filing showing actual and projected common costs, individual program costs, and any revenues collected based upon six months of actuals and six months of estimates.

Q. Please describe the conservation program costs projected by Tampa Electric during the period January through December 2018.

A. For the period January through December 2018, Tampa Electric projected conservation program costs to be $43,309,886. The Commission authorized collections to recover these expenses in Docket No. 20170002-EG, Order No. PSC-2017-0434-FOF-EG, issued November 14, 2017.

Q. For the period January through December 2018, what were Tampa Electric's conservation costs and what was

recovered through the ECCR clause?

A. For the period January through December 2018, Tampa Electric incurred actual net conservation costs of $44,558,716 plus a beginning true-up under-recovery of $649,400 for a total of $45,208,116. The amount collected in the ECCR clause was $42,504,089.

Q. What was the true-up amount?

A. The true-up amount for the period January through December 2018 was an under-recovery of $2,738,782 including interest.

Q. Please describe the conservation program costs projected to be incurred by Tampa Electric during the period January through December 2019?

A. The actual costs incurred by Tampa Electric through June 2019 and projected for July through December 2019 are $47,050,013. For the period, Tampa Electric anticipates an over-recovery in the ECCR Clause of $7,721,991 which includes the 2018 true-up and interest. A summary of these costs and estimates are fully detailed in Exhibit No. MRR-2, Conservation Costs Projected, pages 26 through

38.

Q. Has Tampa Electric proposed any new or modified DSM Programs for ECCR cost recovery for the period January through December 2020?

A. No, at this time Tampa Electric is not proposing any new or modified program for ECCR cost recovery for the period January through December 2020. Tampa Electric is currently in the process of DSM goalsetting for the 2020-2029 period in Docket No. 20190021-EG and projects the company would transition to the eventual supporting DSM programs at the end of 2020.

Q. Please summarize the proposed conservation costs for the period January through December 2020 and the annualized recovery factors based on a 12 CP and 1/13 AD basis applicable for the period January through December 2020?

A. Tampa Electric estimates the total conservation costs (less program revenues) during the period will be $49,240,525 plus the true-up. Including true-up estimates, the January through December 2020 cost recovery factors allocated on a 12 CP and 1/13 AD basis for firm retail rate classes are as follows:

Rate Schedule	Cost Recovery Factors (cents per kWh)
RS	0.232
GS and CS	0.216
GSD Optional – Secondary	0.194
GSD Optional – Primary	0.192
GSD Optional – Subtransmission	0.190
LS-1	0.118

Rate Schedule	Cost Recovery Factors (dollars per kW)
GSD – Secondary	0.84
GSD – Primary	0.83
GSD – Subtransmission	0.82
SBF – Secondary	0.84
SBF – Primary	0.83
SBF – Subtransmission	0.82
IS - Secondary	0.73
IS - Primary	0.72
IS - Subtransmission	0.72

Exhibit No. MRR-2, Conservation Costs Projected, pages 18 through 25 contain the Commission prescribed forms which detail these estimates.

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

A. Yes, it has.

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

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

Q. Is Tampa Electric recalculating the 2020 CCV amount?

A. No, in Tampa Electric's Petition for limited proceeding to approve the company's 2017 amended and restated stipulation and settlement agreement (Docket No. 20170210-EI), the values to be used for the CCV amount on

an ongoing basis were approved by the Commission in Order No. PSC-2017-0456-S-EI, on November 27, 2017.

Q. What were the CCV amounts approved by the Commission?

A. The CCV amounts approved by the Commission were $10.23 per kW for secondary, $10.13 per kW for primary and $10.03 per kW for subtransmission voltage customers. These CCV amounts took effect on January 1, 2018.

Q. What is the appropriate CCV for customers who elect to take service under the GSLM-2 and GSLM-3 rate riders during the January through December 2020 period?

A. For the January through December 2020 period, the CCV amounts are:

CCV dollars per kW by Voltage Level

Secondary	**Primary**	**Subtransmission**
$10.23	$10.13	$10.03

If the 2020 assessment for need determination indicates the availability of new non-firm load, the CCV will be applied to new subscriptions for service under those rate riders.

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

A. Tampa Electric's petition to allow its pilot residential price responsive load management initiative to become permanent was approved by the Commission on August 28, 2007, in Docket No. 20070056-EG. This program will be funded through the ECCR clause and the appropriate annual RSVP-1 rates for customers are to be submitted for Commission approval as part of the company's annual ECCR projection filing.

Q. What are the appropriate RSVP-1 rates for customers who elect to take this service during the January through December 2020?

A. At the time required for this projection filing, the company has not completed the analysis to determine all of the other clause factors that are utilized to calculate and establish the RSVP-1 rates for the January through December 2020 period. The company will file with the Commission the proposed RSVP-1 rates for Tampa Electric's Price Responsive Load Management program based upon the company's 2020 residential base rates and the 2020 projected clause amounts for ECCR, Fuel and

Purchased Power Cost Recovery, Capacity Cost Recovery and the Environmental Cost Recovery as soon as the remaining clause factors are finalized.

Final Tax Savings Credit

Q. Please provide the proposed credit factors applicable to be applied one-time for all billing cycles in January 2020?

A. Tampa Electric has projected the proposed credit factors to be applied during the January 2020 billing cycles. During the period, the estimated amount of refund will be $11,500,000. Using this as the estimate, the January 2020 credit recovery factors for firm retail rate classes are as follows:

Rate Schedule	**Credit Factors (cents per kWh)**
RS	0.906
GS and CS	0.770
GSD Optional – Secondary	0.645
GSD Optional – Primary	0.639
GSD Optional – Subtransmission	0.632

LS-1	0.172

Rate Schedule	Credit Factors (dollars per kW)
GSD – Secondary	2.71
GSD – Primary	2.68
GSD – Subtransmission	2.66
SBF – Secondary	2.71
SBF – Primary	2.68
SBF – Subtransmission	2.66
IS - Secondary	2.18
IS - Primary	2.16
IS - Subtransmission	2.14

Exhibit No. MRR-3, Final Tax Savings Credit Projected, pages 78 through 80 contain the schedules and associated data which detail these estimates.

Q. How will the company communicate this final tax savings credit to customers?

A. The company has previously communicated this final tax savings credit in a social media article in July and will utilize several other communication channels in December and January, including two additional onsert bill messages. The messaging in December will remind

customers to expect the credit. The messaging in January will remind customers about the credit and what it is for.

Q. Do you have a copy of onsert bill messages?

A. Yes, the messages that will be sent are on page 81 of my Exhibit MRR-3.

Q. What will happen if the amount actually refunded is less than or greater than the $11,500,000 agreed upon in the Settlement Agreement?

A. Tampa Electric expects the actual amount refunded will be different than the $11,500,000 due to the actual amount credited to each customer will be directly dependent on the customer's actual energy or demand usage for that billing period. Any difference between the actual amount credit and the $11,500,000 will be accounted for the in the ECCR clause in a one-time true-up adjustment in 2020 to recognize this difference.

Q. Does this conclude your testimony?

A. Yes it does.

CONSERVATION COSTS
PROJECTED

INDEX

TAMPA ELECTRIC COMPANY
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
JANUARY 2020 THROUGH DECEMBER 2020
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	54.99%	9,587,607	1,990	1.08045	1.05238	10,089,768	2,150	49.25%	56.99%	56.40%
GS,TS	62.24%	984,036	180	1.08045	1.05236	1,035,556	195	5.05%	5.17%	5.16%
GSD Optional	4.71%	508,686	77	1.07575	1.04878	533,502	83	2.60%	2.20%	2.23%
GSD, SBF Standard	70.76%	7,637,641	1,155	1.07575	1.04878	8,010,233	1,243	39.09%	32.94%	33.41%
IS	79.71%	649,419	93	1.02851	1.01705	660,489	96	3.22%	2.54%	2.59%
LS1	333.63%	154,170	5	1.08045	1.05238	162,245	6	0.79%	0.16%	0.21%
TOTAL		19,521,559	3,501			20,491,793	3,773	100%	100%	100%

(1) AVG 12 CP load factor based on projected 2019 calendar data.
(2) Projected MWH sales for the period Jan. 2020 thru Dec. 2020
(3) Calculated: Col (2) / (8760*Col (1)).
(4) Based on 2019 projected demand losses.
(5) Based on 2019 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

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Summary of Cost Recovery Clause Calculation
For Months January 2020 through December 2020

1.	Total Incremental Cost (C-2, Page 1, Line 17)	49,240,525
2.	Demand Related Incremental Costs	29,205,177
3.	Energy Related Incremental Costs	20,035,348

RETAIL BY RATE CLASS

		RS	GS,CS	GSD, SBF STANDARD	GSD OPTIONAL	IS	LS1	Total
4.	Demand Allocation Percentage	56.40%	5.16%	33.41%	2.23%	2.59%	0.21%	100.00%
5.	Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	16,471,720	1,506,987	9,757,450	651,275	756,414	61,331	29,205,177
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.)	(2,264,705)	(207,196)	(1,341,557)	(89,544)	(104,000)	(8,432)	(4,015,435)
7.	Total Demand Related Incremental Costs	14,207,014	1,299,791	8,415,893	561,731	652,414	52,898	25,189,742
8.	Energy Allocation Percentage	49.25%	5.05%	39.09%	2.60%	3.22%	0.79%	100.00%
9.	Net Energy Related Incremental Costs	9,867,409	1,011,785	7,831,818	520,919	645,138	158,279	20,035,348
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.)	(1,825,479)	(187,181)	(1,448,893)	(96,370)	(119,351)	(29,282)	(3,706,556)
11.	Total Net Energy Related Incremental Costs	8,041,930	824,604	6,382,925	424,549	525,787	128,997	16,328,792
12.	Total Incremental Costs (Line 5 + 9)	26,339,129	2,518,772	17,589,267	1,172,194	1,401,552	219,610	49,240,525
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.)	(4,090,184)	(394,378)	(2,790,450)	(185,915)	(223,351)	(37,714)	(7,721,991)
14.	Total (Line 12 + 13)	22,248,945	2,124,395	14,798,818	986,280	1,178,201	181,896	41,518,534
15.	Retail MWH Sales	9,587,607	984,036	7,637,641	508,686	649,419	154,170	19,521,559
16	Effective MWH at Secondary	9,587,607	984,036	7,637,641	508,686	649,419	154,170	19,521,559
17.	Projected Billed KW at Meter	*	*	17,722,132	*	1,611,184	*	
18.	Cost per KWH at Secondary (Line 14/Line 16)	0.23206	0.21589	*	0.19389	*	0.11798	
19.	Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20.	Adjustment Factor Adjusted for Taxes	0.2322	0.2160	*	0.1940	*	0.1181	
21.	Conservation Adjustment Factor (cents/KWH)							
	RS, GS, CS, GSD Optional and LS1 Rates (cents/KWH) *							
	- Secondary	0.232	0.216		0.194		0.118	
	- Primary				0.192			
	- Subtransmission				0.190			
	GSD, SBF, IS Standard Rates ($/KW) *							
	Full Requirement							
	- Secondary	*	*	0.84	*	0.73	*	
	- Primary	*	*	0.83	*	0.72	*	
	- Subtransmission	*	*	0.82	*	0.72	*	

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

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

ESTIMATED

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000359	Residential Walk-Through Energy Audit	146,519	147,469	147,194	146,219	185,860	151,146	175,123	159,159	160,423	156,902	147,214	186,808	1,910,036
12000353 - 12000355	Residential Customer Assisted Audit	583	583	683	583	583	583	398,583	583	583	683	583	583	405,196
12000357, 12000369	Residential Computer Assisted Audit	0	0	789	0	789	300	0	0	789	0	0	0	2,667
12000381	Residential Ceiling Insulation	17,970	15,333	15,083	14,633	17,189	19,746	19,746	19,746	19,746	17,189	14,633	12,078	203,092
12000391	Residential Duct Repair	12,002	11,971	11,671	11,221	11,221	11,271	11,221	11,221	11,221	11,321	11,271	11,221	136,833
12000419	Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	220	0	220
12000375	Energy Education, Awareness and Agency Outreach	14,633	14,624	14,615	13,606	13,597	13,588	13,578	14,966	14,560	14,551	13,542	13,533	169,393
12004152	Energy Star Multi-Family	0	0	0	0	0	0	0	0	114,486	0	0	0	114,486
12000431	Energy Star for New Homes	130,294	130,294	130,294	131,857	130,294	130,294	130,294	130,294	133,094	130,294	131,094	130,294	1,568,691
12000349	Residential Heating and Cooling	33,621	40,693	44,111	50,741	50,711	54,304	54,304	54,304	50,711	43,586	37,107	30,041	544,234
12000425	Neighborhood Weatherization	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	3,167,040
12000433	Energy Planner	369,169	258,391	262,377	257,268	256,610	259,863	260,387	258,617	256,850	261,480	265,036	257,843	3,223,891
12000365	Residential Wall Insulation	0	149	0	116	0	116	0	0	116	0	116	0	613
12000367	Residential Window Replacement	63,184	63,103	62,853	62,403	62,403	62,403	62,403	62,403	62,403	62,403	62,403	62,403	750,767
12000351	Prime Time	5,133	1,133	1,133	1,133	5,133	1,133	1,133	1,133	5,133	1,133	1,133	1,133	25,596
12000363	Commercial/Industrial Audit (Free)	40,224	36,374	37,974	37,374	36,874	35,724	37,374	37,374	36,874	36,274	36,374	35,374	444,188
12000361	Comprehensive Commercial/Industrial Audit (Paid)	0	0	991	0	991	0	991	991	0	0	991	0	4,955
12000397	Commercial Ceiling Insulation	1,024	0	1,024	0	1,024	0	1,024	0	1,024	0	1,024	0	6,144
12000411	Commercial Chiller	3,749	0	3,749	3,749	3,749	3,749	0	3,749	3,749	3,749	0	0	29,992
12000371	Cogeneration	3,341	3,341	3,341	3,266	3,266	3,266	3,266	3,266	3,266	3,266	3,266	3,266	39,417
12000389	Conservation Value	0	0	0	0	0	0	284	51,799	0	0	0	0	52,083
12000443	Cool Roof	24,339	14,339	34,339	34,339	24,339	14,339	14,339	14,339	14,339	24,339	24,339	14,339	252,068
12000429	Commercial Cooling	469	0	0	469	0	0	469	469	0	0	0	469	2,345
12000409	Demand Response	333,520	332,020	332,020	333,520	332,020	332,020	332,020	333,020	333,520	332,020	332,020	332,020	3,989,740
12000377	Commercial Duct Repair	247	0	247	0	247	0	0	0	247	0	247	0	1,235

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

ESTIMATED

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000441	Commercial ECM	0	579	0	0	579	1,073	0	0	1,610	579	0	1,232	5,652
12000379	Industrial Load Management (GLSM 2&3)	1,610,376	1,610,376	1,610,376	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,607,085	19,289,189
12004386	LED Street and Outdoor Conversion Program	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	6,724,368
12000385	Lighting Conditioned Space	31,526	41,037	31,526	283,048	289,105	22,015	12,503	22,015	32,026	31,526	13,003	31,526	840,856
12003201	Lighting Non-Conditioned Space	259,734	11,015	15,026	9,410	12,015	7,003	7,003	11,015	9,910	7,003	7,503	9,410	366,047
12000413	Lighting Occupancy Sensors	1,607	99	99	853	1,607	853	853	1,607	853	853	99	853	10,236
12000383	CILM (GLSM 1)	282	282	282	1,227	1,227	1,227	1,227	1,227	1,227	1,227	282	282	9,999
12000415	Refrigeration Anti-condensate Control	1,707	0	0	0	0	0	1,707	0	0	0	0	0	3,414
12000387	Standby Generator	317,951	319,851	319,851	321,451	321,451	325,051	324,651	324,651	324,651	324,651	324,651	324,651	3,873,512
12003202	Thermal Energy Storage	130	130	130	130	130	130	130	130	251,906	130	130	130	253,336
12000399	Commercial Wall Insulation	0	0	0	0	0	2,082	0	0	0	0	0	0	2,082
12000417	Commercial Water Heating	2,174	0	0	0	2,174	0	0	0	0	0	0	2,174	6,522
12000427	Conservation Research and Development	56,932	1,724	1,932	1,724	1,724	56,932	1,724	1,724	1,932	1,724	56,932	1,724	186,728
12000393	Renewable Energy Program	3,963	(7,012)	(6,537)	(7,237)	242,788	(7,237)	(6,537)	(7,012)	(7,037)	(6,737)	(7,237)	(7,037)	177,130
12000347	Common Expenses	50,569	62,483	49,952	51,455	48,423	53,183	51,011	48,996	50,025	57,028	48,996	51,541	623,662
	Total All Programs	4,361,256	3,934,665	3,951,409	4,195,214	4,488,779	3,986,813	4,341,467	3,992,442	4,320,893	3,947,830	3,957,628	3,939,260	49,417,655
	Less Renewable Energy Expenses	3,963	(7,012)	(6,537)	(7,237)	242,788	(7,237)	(6,537)	(7,012)	(7,037)	(6,737)	(7,237)	(7,037)	177,130
	Total Recoverable Conservation Expenses	4,357,293	3,941,677	3,957,946	4,202,451	4,245,991	3,994,050	4,348,004	3,999,454	4,327,930	3,954,567	3,964,865	3,946,297	49,240,525
Summary of Demand & Energy														
Energy		1,851,696	1,509,704	1,530,616	1,776,287	2,069,197	1,536,021	1,919,503	1,571,370	1,895,586	1,522,311	1,507,688	1,518,535	20,035,348
Demand		2,505,597	2,424,961	2,420,793	2,418,927	2,419,582	2,450,792	2,421,964	2,421,072	2,425,307	2,425,519	2,449,940	2,420,725	29,205,177
Total Recoverable Consv. Expenses		4,357,293	3,934,665	3,951,409	4,195,214	4,488,779	3,986,813	4,341,467	3,992,442	4,320,893	3,947,830	3,957,628	3,939,260	49,240,525

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

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
12000359 Residential Walk-Through Energy Audit	0	1,187,060	11,000	0	557,771	0	122,800	31,405	0	1,910,036
12000353- 12000355 Residential Customer Assisted Audit	0	6,996	0	0	0	0	0	398,200	0	405,196
12000357, 12000369 Residential Computer Assisted Audit	0	2,412	0	0	0	0	0	300	(45)	2,667
12000381 Residential Ceiling Insulation	0	55,921	0	0	0	145,000	240	1,931	0	203,092
12000391 Residential Duct Repair	0	35,052	0	0	0	99,000	600	2,181	0	136,833
12000419 Residential Electronically Commutated Motors	0	0	0	105	0	115	0	0	0	220
12000375 Energy Education, Awareness and Agency Outreach	21,756	115,261	3,600	15,576	0	0	2,400	10,800	0	169,393
12004152 Energy Star Multi-Family	0	736	0	0	0	113,750	0	0	0	114,486
12000431 Energy Star for New Homes	0	32,808	0	0	1,563	1,530,000	480	3,840	0	1,568,691
12000349 Residential Heating and Cooling	0	77,782	0	0	0	462,375	360	3,717	0	544,234
12000425 Neighborhood Weatherization	0	638,580	348,600	0	0	2,173,500	6,120	240	0	3,167,040
12000433 Energy Planner	1,021,791	985,692	23,290	529,460	458,500	0	45,168	159,990	0	3,223,891
12000365 Residential Wall Insulation	0	63	0	0	0	550	0	0	0	613
12000367 Residential Window Replacement	0	60,516	0	0	0	687,600	480	2,171	0	750,767
12000351 Prime Time	0	12,696	0	12,000	0	0	0	900	0	25,596
12000363 Commercial/Industrial Audit (Free)	0	370,284	3,200	0	50,004	0	3,000	17,700	0	444,188
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	2,430	0	2,500	0	0	400	0	(375)	4,955
12000397 Commercial Ceiling Insulation	0	1,344	0	0	0	4,500	300	0	0	6,144
12000411 Commercial Chiller	0	1,792	0	0	0	28,000	200	0	0	29,992
12000371 Cogeneration	0	38,892	0	0	0	0	525	0	0	39,417
12000389 Conservation Value	0	1,491	0	542	0	50,000	50	0	0	52,083
12000443 Cool Roof	0	51,468	0	0	0	200,000	600	0	0	252,068

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

	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
12000429	Commercial Cooling	0	1,120	0	0	0	1,100	125	0	0	2,345
12000409	Demand Response	0	23,340	0	0	0	3,960,000	900	5,500	0	3,989,740
12000377	Commercial Duct Repair	0	485	0	0	0	750	0	0	0	1,235
12000441	Commercial ECM	0	1,412	0	0	0	4,200	40	0	0	5,652
12000379	Industrial Load Management (GLSM 2&3)	0	28,139	0	0	0	19,260,000	1,050	0	0	19,289,189
12004386	LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	6,925,968	(201,600)	6,724,368
12000385	Lighting Conditioned Space	0	75,456	0	0	0	762,500	600	2,300	0	840,856
12003201	Lighting Non-Conditioned Space	0	59,747	0	0	0	303,400	600	2,300	0	366,047
12000413	Lighting Occupancy Sensors	0	1,836	0	0	0	8,400	0	0	0	10,236
12000383	CILM (GLSM 1)	0	624	0	0	0	6,615	0	2,760	0	9,999
12000415	Refrigeration Anti-condensate Control	0	364	0	0	0	3,000	50	0	0	3,414
12000387	Standby Generator	0	58,812	6,000	150,000	0	3,635,200	600	22,900	0	3,873,512
12003202	Thermal Energy Storage	0	2,694	0	592	0	250,000	50	0	0	253,336
12000399	Commercial Wall Insulation	0	32	0	0	0	0	0	2,050	0	2,082
12000417	Commercial Water Heating	0	447	0	0	0	6,000	75	0	0	6,522
12000427	Conservation Research and Development	0	4,928	165,000	16,800	0	0	0	0	0	186,728
12000393	Renewable Energy Program	0	13,880	1,500	260,000	0	0	75	1,000	(99,325)	177,130
12000347	Common Expenses	0	464,413	200	55,989	0	0	0	103,060	0	623,662
	Total All Programs	1,043,547	4,417,005	562,390	1,043,564	1,067,838	33,695,555	187,888	7,701,213	(301,345)	49,417,655
	Less Renewable Energy Expenses	0	13,880	1,500	260,000	0	0	75	1,000	(99,325)	177,130
	Total Recoverable Conservation Expenses	1,043,547	4,403,125	560,890	783,564	1,067,838	33,695,555	187,813	7,700,213	(202,020)	49,240,525
Summary of Demand & Energy											
Energy		532,651	3,551,997	460,645	320,439	838,588	6,833,740	162,679	7,536,628	(202,020)	20,035,347
Demand		510,896	851,128	100,245	463,125	229,250	26,861,815	25,134	163,585	0	29,205,177
Total All Programs		1,043,547	4,403,125	560,890	783,564	1,067,838	33,695,555	187,813	7,700,213	(202,020)	49,240,524

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2020 through December 2020

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	1,246,543
2. Retirements		158,229	119,344	162,381	155,227	157,052	117,872	150,242	55,480	103,829	54,610	136,485	36,378	1,407,130
3. Depreciation Base		4,384,204	4,368,739	4,310,237	4,258,888	4,205,715	4,191,722	4,145,358	4,193,757	4,193,807	4,243,076	4,210,469	4,277,969	
4. Depreciation Expense		73,523	72,941	72,325	71,409	70,538	69,979	69,476	69,493	69,896	70,307	70,446	70,737	851,070
5. Cumulative Investment	4,438,555	4,384,204	4,368,739	4,310,237	4,258,888	4,205,715	4,191,722	4,145,358	4,193,757	4,193,807	4,243,076	4,210,469	4,277,969	4,277,969
6. Less: Accumulated Depreciation	2,434,768	2,350,062	2,303,659	2,213,603	2,129,785	2,043,272	1,995,379	1,914,613	1,928,626	1,894,693	1,910,390	1,844,351	1,878,710	1,878,710
7. Net Investment	2,003,787	2,034,142	2,065,080	2,096,634	2,129,103	2,162,443	2,196,343	2,230,745	2,265,131	2,299,114	2,332,686	2,366,118	2,399,259	2,399,259
8. Average Investment		2,018,965	2,049,611	2,080,857	2,112,869	2,145,773	2,179,393	2,213,544	2,247,938	2,282,123	2,315,900	2,349,402	2,382,689	
9. Return on Average Investment - Equity Component		10,144	10,298	10,455	10,616	10,781	10,950	11,122	11,295	11,466	11,636	11,804	11,972	132,539
10. Return on Average Investment - Debt Component		2,922	2,967	3,012	3,058	3,106	3,154	3,204	3,254	3,303	3,352	3,401	3,449	38,182
11. Total Depreciation and Return		86,589	86,206	85,792	85,083	84,425	84,083	83,802	84,042	84,665	85,295	85,651	86,158	1,021,791

NOTES:
Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2020 through December 2020

INDUSTRIAL LOAD MANAGEMENT

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

NOTES:
Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2020 through December 2020

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	16,872
5. Cumulative Investment	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	13,029	14,435	15,841	17,247	18,653	20,059	21,465	22,871	24,277	25,683	27,089	28,495	29,901	29,901
7. Net Investment	71,335	69,929	68,523	67,117	65,711	64,305	62,899	61,493	60,087	58,681	57,275	55,869	54,463	54,463
8. Average Investment		70,632	69,226	67,820	66,414	65,008	63,602	62,196	60,790	59,384	57,978	56,572	55,166	
9. Return on Average Investment - Equity Component		355	348	341	334	327	320	312	305	298	291	284	277	3,792
10. Return on Average Investment - Debt Component		102	100	98	96	94	92	90	88	86	84	82	80	1,092
11. Total Depreciation and Return		1,863	1,854	1,845	1,836	1,827	1,818	1,808	1,799	1,790	1,781	1,772	1,763	21,756

NOTES:
Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2020 through December 2020

COMMERCIAL LOAD MANAGEMENT

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

NOTES:
Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000359	Residential Walk-Through Energy Audit										
	Actual	0	435,796	6,198	0	82,631	0	32,971	8,789	0	566,385
	Projected	0	689,219	3,000	0	314,934	0	36,200	18,820	0	1,062,173
	Total	0	1,125,015	9,198	0	397,565	0	69,171	27,609	0	1,628,558
12000353-12000355	Residential Customer Assisted Audit										
	Actual	0	3,001	0	0	20,333	0	0	49	0	23,383
	Projected	0	3,498	0	0	0	0	0	398,100	0	401,598
	Total	0	6,499	0	0	20,333	0	0	398,149	0	424,981
12000357, 12000369	Residential Computer Assisted Audit										
	Actual	0	0	269	0	0	0	0	0	0	269
	Projected	0	804	0	0	0	0	0	350	(15)	1,139
	Total	0	804	269	0	0	0	0	350	(15)	1,408
12000381	Residential Ceiling Insulation										
	Actual	0	25,981	34	0	0	64,777	239	934	0	91,965
	Projected	0	27,848	0	0	0	70,000	180	60	0	98,088
	Total	0	53,829	34	0	0	134,777	419	994	0	190,053
12000391	Residential Duct Repair										
	Actual	0	21,024	34	0	0	103,455	598	620	0	125,731
	Projected	0	17,720	0	0	0	56,100	510	220	0	74,550
	Total	0	38,744	34	0	0	159,555	1,108	840	0	200,281
12000419	Residential Electronically Commutated Motors										
	Actual	0	0	0	0	0	0	0	0	0	0
	Projected	0	0	0	105	0	115	0	0	0	220
	Total	0	0	0	105	0	115	0	0	0	220
12000375	Energy Education, Awareness and Agency Outreach										
	Actual	2,987	10,071	416	6,900	0	0	0	7,580	0	27,954
	Projected	7,820	62,640	1,800	7,830	0	0	1,200	2,100	0	83,390
	Total	10,807	72,711	2,216	14,730	0	0	1,200	9,680	0	111,344
12004152	Energy Star Multi-Family										
	Actual	0	0	0	0	0	0	0	1,010	0	1,010
	Projected	0	678	0	0	0	81,250	0	0	0	81,928
	Total	0	678	0	0	0	81,250	0	1,010	0	82,938
12000431	Energy Star for New Homes										
	Actual	0	14,602	0	0	0	436,900	59	2,367	0	453,928
	Projected	0	14,988	0	0	0	382,500	150	3,720	0	401,358
	Total	0	29,590	0	0	0	819,400	209	6,087	0	855,286
12000349	Residential Heating and Cooling										
	Actual	0	41,245	0	0	0	229,500	87	764	0	271,596
	Projected	0	38,640	0	0	0	229,500	150	1,765	0	270,055
	Total	0	79,885	0	0	0	459,000	237	2,529	0	541,651

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000425 Neighborhood Weatherization										
Actual	0	111,126	81,862	350,750	0	783,235	956	2,124	0	1,330,053
Projected	0	316,795	174,780	10,790	0	1,197,816	3,060	1,215	0	1,704,456
Total	0	427,921	256,642	361,540	0	1,981,051	4,016	3,339	0	3,034,509
12000433 Energy Planner										
Actual	593,962	362,466	13,026	267,763	82,631	0	22,434	56,559	0	1,398,841
Projected	538,322	476,562	16,250	211,230	224,358	0	22,584	80,900	0	1,570,206
Total	1,132,284	839,028	29,276	478,993	306,989	0	45,018	137,459	0	2,969,047
12000365 Residential Wall Insulation										
Actual	0	92	0	0	0	27	0	0	0	119
Projected	0	18	0	0	0	330	0	0	0	348
Total	0	110	0	0	0	357	0	0	0	467
12000367 Residential Window Replacement										
Actual	0	44,772	0	0	0	366,163	353	713	0	412,001
Projected	0	29,838	0	0	0	341,100	120	120	0	371,178
Total	0	74,610	0	0	0	707,263	473	833	0	783,179
12000351 Prime Time										
Actual	0	3,470	0	7,804	0	0	0	0	0	11,274
Projected	0	1,554	0	4,000	0	0	0	450	0	6,004
Total	0	5,024	0	11,804	0	0	0	450	0	17,278
12000363 Commercial/Industrial Audit (Free)										
Actual	0	138,910	4,468	(421)	4,158	0	1,320	4,188	0	152,623
Projected	0	182,496	1,600	0	42,852	0	1,937	7,730	0	236,615
Total	0	321,406	6,068	(421)	47,010	0	3,257	11,918	0	389,238
12000361 Comprehensive Commercial/Industrial Audit (Paid)										
Actual	0	0	0	0	750	0	0	0	0	750
Projected	0	486	0	500	0	0	80	0	(75)	991
Total	0	486	0	500	750	0	80	0	(75)	1,741
12000397 Commercial Ceiling Insulation										
Actual	0	90	0	0	0	1,504	0	0	0	1,594
Projected	0	632	0	0	0	2,700	100	0	0	3,432
Total	0	722	0	0	0	4,204	100	0	0	5,026
12000411 Commercial Chiller										
Actual	0	60	0	0	0	28,455	0	0	0	28,515
Projected	0	633	0	0	0	10,500	75	0	0	11,208
Total	0	693	0	0	0	38,955	75	0	0	39,723
12000371 Cogeneration										
Actual	0	20,264	0	0	0	0	0	0	0	20,264
Projected	0	22,560	0	0	0	0	150	0	0	22,710
Total	0	42,824	0	0	0	0	150	0	0	42,974

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000389 Conservation Value										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	1,232	0	0	0	0	25	0	0	1,257
Total	0	1,232	0	0	0	0	25	0	0	1,257
12000443 Cool Roof										
Actual	0	12,258	0	0	0	49,351	33	0	0	61,642
Projected	0	25,734	0	0	0	80,000	300	0	0	106,034
Total	0	37,992	0	0	0	129,351	333	0	0	167,676
12000429 Commercial Cooling										
Actual	0	51	0	0	0	65	0	0	0	116
Projected	0	604	0	0	0	660	75	0	0	1,339
Total	0	655	0	0	0	725	75	0	0	1,455
12000409 Demand Response										
Actual	0	3,680	0	0	0	1,910,905	165	524	0	1,915,274
Projected	0	15,558	0	0	0	1,980,000	450	2,500	0	1,998,508
Total	0	19,238	0	0	0	3,890,905	615	3,024	0	3,913,782
12000377 Commercial Duct Repair										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	280	0	0	0	450	0	0	0	730
Total	0	280	0	0	0	450	0	0	0	730
12000441 Commercial ECM										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	881	0	0	0	2,520	20	0	0	3,421
Total	0	881	0	0	0	2,520	20	0	0	3,421
12000379 Industrial Load Management (GLSM 2&3)										
Actual	0	6,620	24,910	792	0	9,056,713	13,736	12,998	0	9,115,769
Projected	0	8,495	0	0	0	9,600,000	450	0	0	9,608,945
Total	0	15,115	24,910	792	0	18,656,713	14,186	12,998	0	18,724,714
12004386 LED Street and Outdoor Conversion Program										
Actual	0	0	0	0	0	0	0	2,493,752	(61,149)	2,432,604
Projected	0	0	0	0	0	0	0	2,973,102	(80,000)	2,893,102
Total	0	0	0	0	0	0	0	5,466,854	(141,149)	5,325,706
12000385 Lighting Conditioned Space										
Actual	0	35,820	0	0	0	1,550,166	548	546	0	1,587,080
Projected	0	45,816	0	0	0	798,000	300	1,150	0	845,266
Total	0	81,636	0	0	0	2,348,166	848	1,696	0	2,432,346

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12003201 Lighting Non-Conditioned Space										
Actual	0	25,071	0	0	0	32,323	61	104	0	57,559
Projected	0	44,279	0	0	0	272,800	300	1,150	0	318,529
Total	0	69,350	0	0	0	305,123	361	1,254	0	376,088
12000413 Lighting Occupancy Sensors										
Actual	0	90	0	0	0	6,400	0	0	0	6,490
Projected	0	978	0	0	0	4,200	0	0	0	5,178
Total	0	1,068	0	0	0	10,600	0	0	0	11,668
12000383 CILM (GLSM 1)										
Actual	0	341	0	0	0	2,835	0	0	0	3,176
Projected	0	4,798	0	41,380	0	3,780	0	1,380	0	51,338
Total	0	5,139	0	41,380	0	6,615	0	1,380	0	54,514
12000415 Refrigeration Anti-condensate Control										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	211	0	0	0	1,500	25	0	0	1,736
Total	0	211	0	0	0	1,500	25	0	0	1,736
12000387 Standby Generator										
Actual	0	18,336	2,812	100,023	0	1,735,931	117	12,216	0	1,869,435
Projected	0	26,718	3,000	47,400	0	1,796,000	300	13,400	0	1,886,818
Total	0	45,054	5,812	147,423	0	3,531,931	417	25,616	0	3,756,253
12003202 Thermal Energy Storage										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	1,914	0	1,184	0	250,000	100	99	0	253,297
Total	0	1,914	0	1,184	0	250,000	100	99	0	253,297
12000399 Commercial Wall Insulation										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
12000427 Conservation Research and Development										
Actual	0	650	0	0	0	0	32	0	0	682
Projected	0	14,653	118,000	44,200	0	0	0	0	0	176,853
Total	0	15,303	118,000	44,200	0	0	32	0	0	177,535

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000393	Renewable Energy Program										
	Actual	0	5,158	0	322,756	0	0	0	124	(78,070)	249,968
	Projected	0	10,650	500	135,000	0	0	50	200	(74,738)	71,662
	Total	0	15,808	500	457,756	0	0	50	324	(152,808)	321,630
12000347	Common Expenses										
	Actual	0	157,655	91	48,922	0	0	0	62,930	0	269,598
	Projected	0	175,993	0	38,562	0	0	0	43,780	0	258,335
	Total	0	333,648	91	87,484	0	0	0	106,710	0	527,933
	Total All Programs	1,143,091	3,765,103	453,050	1,647,470	772,647	33,520,526	142,600	6,221,202	(294,047)	47,371,643
	Less Renewable Energy	0	15,808	500	457,756	0	0	50	324	(152,808)	321,630
	Total Conservation Expense	1,143,091	3,749,295	452,550	1,189,714	772,647	33,520,526	142,550	6,220,878	(141,239)	47,050,013

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		107,898	60,248	52,368	64,259	29,362	19,802	102,889	102,889	102,889	102,889	102,889	102,889	951,272
2. Retirements		159,812	169,050	135,859	148,364	142,669	146,144	165,277	181,969	223,428	183,174	183,702	119,667	1,959,114
3. Depreciation Base		5,394,482	5,285,680	5,202,189	5,118,085	5,004,778	4,878,436	4,816,049	4,736,969	4,616,430	4,536,145	4,455,332	4,438,555	
4. Depreciation Expense		90,341	89,001	87,399	86,002	84,357	82,360	80,787	79,608	77,945	76,271	74,929	74,116	983,116
5. Cumulative Investment	5,446,396	5,394,482	5,285,680	5,202,189	5,118,085	5,004,778	4,878,436	4,816,049	4,736,969	4,616,430	4,536,145	4,455,332	4,438,555	4,438,555
6. Less: Accumulated Depreciation	3,410,766	3,341,296	3,261,247	3,212,787	3,150,425	3,092,113	3,028,329	2,943,839	2,841,478	2,695,995	2,589,092	2,480,319	2,434,768	2,434,768
7. Net Investment	2,035,630	2,053,186	2,024,433	1,989,402	1,967,660	1,912,665	1,850,107	1,872,210	1,895,491	1,920,435	1,947,053	1,975,013	2,003,787	2,003,787
8. Average Investment		2,044,408	2,038,810	2,006,918	1,978,531	1,940,163	1,881,386	1,861,159	1,883,851	1,907,963	1,933,744	1,961,033	1,989,400	
9. Return on Average Investment - Equity Component		9,889	9,862	9,708	9,570	9,385	9,101	9,351	9,465	9,586	9,716	9,853	9,996	115,482
10. Return on Average Investment - Debt Component		2,921	2,913	2,867	2,827	2,772	2,688	2,694	2,727	2,762	2,799	2,838	2,879	33,687
Total Depreciation and Return		103,151	101,776	99,974	98,399	96,514	94,149	92,832	91,800	90,293	88,786	87,620	86,991	1,132,285

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7144% x 1/12 (Jan-Jun).Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
5. Cumulative Investment	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	-	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Depreciation and Return		0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7144% x 1/12 (Jan-Jun).Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	61,000	0	0	0	61,000
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		389	389	389	389	389	389	389	389	898	1,406	1,406	1,406	8,228
5. Cumulative Investment	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	4,799	5,188	5,577	5,966	6,355	6,744	7,135	7,524	7,913	8,811	10,217	11,623	13,029	13,029
7. Net Investment	18,564	18,176	17,787	17,398	17,009	16,620	16,229	15,840	15,451	75,553	74,147	72,741	71,335	71,335
8. Average Investment		18,370	17,982	17,593	17,204	16,815	16,425	16,035	15,646	45,502	74,850	73,444	72,038	
9. Return on Average Investment - Equity Component		89	87	85	83	81	79	81	79	229	376	369	362	2,000
10. Return on Average Investment - Debt Component		26	26	25	25	24	23	23	23	66	108	106	104	579
Total Depreciation and Return		504	502	499	497	494	491	493	491	1,193	1,890	1,881	1,872	10,807

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7144% x 1/12 (Jan-Jun).Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

COMMERCIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Depreciation and Return		0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7144% x 1/12 (Jan-Jun).Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
12000359 Residential Walk-Through Energy Audit	64,876	107,209	92,224	88,238	109,329	104,509	187,674	172,120	170,924	169,981	160,442	201,032	1,628,558
12000353-12000355 Residential Customer Assisted Audit	555	453	213	610	20,140	1,412	398,583	583	583	683	583	583	424,981
12000357, 12000369 Residential Computer Assisted Audit	0	0	0	269	0	0	0	1,139	0	0	0	0	1,408
12000381 Residential Ceiling Insulation	21,364	13,181	15,219	14,200	13,349	14,652	19,753	19,753	17,200	14,645	14,645	12,092	190,053
12000391 Residential Duct Repair	12,540	16,166	28,671	41,613	6,348	20,394	12,973	12,973	12,973	13,073	12,973	9,585	200,281
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	220	0	220
12000375 Energy Education, Awareness and Agency Outreach	4,626	4,418	3,178	1,569	2,841	11,322	13,023	13,023	14,117	14,420	14,408	14,399	111,344
12004152 Energy Star Multi-Family	0	0	0	0	0	1,010	81,928	0	0	0	0	0	82,938
12000431 Energy Star for New Homes	126,202	122,034	77,134	50,071	41,450	37,037	66,293	66,293	69,093	66,293	67,093	66,293	855,286
12000349 Residential Heating and Cooling	34,831	37,732	42,182	49,753	49,648	57,451	54,223	54,223	50,666	43,602	33,698	33,643	541,651
12000425 Neighborhood Weatherization	265,741	210,797	130,726	234,846	323,337	164,606	268,256	287,210	287,285	287,210	287,285	287,210	3,034,509
12000433 Energy Planner	157,409	359,462	207,187	221,303	241,951	211,528	267,296	262,804	260,557	259,110	263,434	257,005	2,969,047
12000365 Residential Wall Insulation	0	0	0	0	119	0	116	0	116	0	116	0	467
12000367 Residential Window Replacement	81,504	69,210	60,476	66,627	62,728	71,456	61,863	61,863	61,863	61,863	61,863	61,863	783,179
12000351 Prime Time	252	4,765	537	898	3,825	997	334	334	4,334	334	334	334	17,278
12000363 Commercial/Industrial Audit (Free)	32,003	23,554	18,317	28,200	22,137	28,410	38,397	39,774	40,261	39,261	39,761	39,161	389,238
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	0	0	750	0	0	0	0	0	0	991	0	1,741
12000397 Commercial Ceiling Insulation	0	0	0	1,230	364	0	0	2,271	0	1,161	0	0	5,026
12000411 Commercial Chiller	3,112	0	18,335	60	0	7,008	0	3,736	3,736	3,736	0	0	39,723
12000371 Cogeneration	5,231	4,248	2,893	3,710	2,198	1,984	3,785	3,785	3,785	3,785	3,785	3,785	42,974
12000389 Conservation Value	0	0	0	0	0	0	0	0	0	0	0	1,257	1,257
12000443 Cool Roof	18,390	2,002	2,605	4,543	1,954	32,148	14,339	14,339	14,339	24,339	24,339	14,339	167,676
12000429 Commercial Cooling	0	116	0	0	0	0	456	456	0	0	0	427	1,455
12000409 Demand Response	331,724	(91)	330,755	330,652	330,601	591,633	332,020	332,020	333,316	334,316	334,816	332,020	3,913,782
12000377 Commercial Duct Repair	0	0	0	0	0	0	0	0	0	0	243	487	730
12000441 Commercial ECM	0	0	0	0	0	0	0	0	1,610	579	0	1,232	3,421

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
12000379 Industrial Load Management (GLSM 2&3)	1,165,492	1,517,377	1,506,055	1,595,250	1,666,947	1,664,648	1,601,372	1,601,372	1,601,372	1,601,372	1,601,372	1,602,085	18,724,714
12004386 LED Street and Outdoor Conversion Program	1,065,908	505,654	50,168	393,506	22,035	395,333	482,184	482,184	482,184	482,184	482,184	482,184	5,325,706
12000385 Lighting Conditioned Space	13,954	13,727	10,450	239,812	1,212,311	96,825	31,526	50,548	51,048	145,548	283,548	283,049	2,432,346
12003201 Lighting Non-Conditioned Space	6,252	5,173	8,983	15,880	7,731	13,539	10,859	10,859	9,760	6,861	7,361	272,829	376,088
12000413 Lighting Occupancy Sensors	0	0	0	6,490	0	0	863	1,635	863	863	91	863	11,668
12000383 CILM (GLSM 1)	0	0	0	1,074	1,157	945	47,093	1,227	1,227	1,227	282	282	54,514
12000415 Refrigeration Anti-condensate Control	0	0	0	0	0	0	1,736	0	0	0	0	0	1,736
12000387 Standby Generator	340,426	296,858	300,100	291,076	334,576	306,399	312,803	312,803	314,803	314,803	316,803	314,803	3,756,253
12003202 Thermal Energy Storage	0	0	0	0	0	0	130	130	130	871	251,906	130	253,297
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	0	0	0	0	0	0	0	0	0	0	0	0
12000427 Conservation Research and Development	0	0	0	0	106	576	38,683	31,634	101,634	1,634	1,634	1,634	177,535
12000393 Renewable Energy Program	307,984	(10,009)	(9,321)	(10,447)	(21,647)	(6,590)	(11,106)	(11,106)	23,869	(10,231)	(9,531)	89,769	321,630
12000347 Common Expenses	49,953	63,019	34,316	41,920	40,698	39,692	43,040	41,859	41,089	48,930	41,089	42,328	527,933
Total	4,110,329	3,367,054	2,931,402	3,713,705	4,496,231	3,868,924	4,380,494	3,871,843	3,974,736	3,932,452	4,297,767	4,426,702	47,371,643
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conservation Expenses	4,110,329	3,367,054	2,931,402	3,713,705	4,496,231	3,868,924	4,380,494	3,871,843	3,974,736	3,932,452	4,297,767	4,426,702	47,371,643
Less Renewable Energy	307,984	(10,009)	(9,321)	(10,447)	(21,647)	(6,590)	(11,106)	(11,106)	23,869	(10,231)	(9,531)	89,769	321,630
Total Conservation Expenses	3,802,345	3,377,063	2,940,723	3,724,152	4,517,878	3,875,514	4,391,600	3,882,949	3,950,867	3,942,683	4,307,298	4,336,933	47,050,013

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

B. CONSERVATION REVENUES	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Conservation Audit Fees (A)	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Conservation Adjustment Revenues * (C-4, page 1 of 1)	4,120,356	4,142,753	4,053,814	4,119,350	4,885,416	5,494,215	5,546,624	5,526,425	5,677,491	5,210,991	4,386,851	4,289,434	57,453,721
3. Total Revenues	4,120,356	4,142,753	4,053,814	4,119,350	4,885,416	5,494,215	5,546,624	5,526,425	5,677,491	5,210,991	4,386,851	4,289,434	57,453,721
4. Prior Period True-up	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,937)	(466,940)	(5,603,247)
5. Conservation Revenue Applicable to Period	3,653,419	3,675,816	3,586,877	3,652,413	4,418,479	5,027,278	5,079,687	5,059,488	5,210,554	4,744,054	3,919,914	3,822,494	51,850,474
6. Conservation Expenses (C-3,Page 4, Line 14)	3,802,345	3,377,063	2,940,723	3,724,153	4,517,879	3,875,514	4,391,600	3,882,949	3,950,867	3,942,683	4,307,298	4,336,937	47,050,013
7. True-up This Period (Line 5 - Line 6)	(148,926)	298,753	646,154	(71,740)	(99,400)	1,151,764	688,087	1,176,539	1,259,687	801,371	(387,384)	(514,443)	4,800,461
8. Interest Provision This Period (C-3, Page 6, Line 10)	(5,185)	(4,107)	(2,260)	(730)	50	1,995	4,789	7,774	11,227	13,884	14,784	14,843	57,065
9. True-up & Interest Provision Beginning of Period	(2,738,782)	(2,425,956)	(1,664,373)	(553,542)	(159,075)	208,512	1,829,208	2,989,021	4,640,271	6,378,122	7,660,314	7,754,651	(2,738,782)
10. Prior Period True-up Collected/(Refunded)	466,937	466,937	466,937	466,937	466,937	466,937	466,937	466,937	466,937	466,937	466,937	466,940	5,603,247
11. End of Period Total - Over/(Under) Recovered	(2,425,956)	(1,664,373)	(553,542)	(159,075)	208,512	1,829,208	2,989,021	4,640,271	6,378,122	7,660,314	7,754,651	7,721,991	7,721,991

Previous EOP Change
* Net of Revenue Taxes

(A) Included in Line 6

Summary of Allocation	Forecast	Ratio	True Up
Demand	27,074,648	0.52	4,015,435
Energy	24,597,927	0.48	3,706,556
Total	51,672,575	1.00	7,721,991

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of Interest Provision

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

C. INTEREST PROVISION	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Beginning True-up Amount (C-3, Page 5, Line 9)	($2,738,782)	($2,425,956)	($1,664,373)	($553,542)	($159,075)	$208,512	$1,829,208	$2,989,021	$4,640,271	$6,378,122	$7,660,314	$7,754,651	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	(2,420,771)	(1,660,266)	(551,282)	(158,345)	208,462	1,827,213	2,984,232	4,632,497	6,366,895	7,646,430	7,739,867	7,707,148	
3. Total Beginning & Ending True-up	($5,159,553)	($4,086,222)	($2,215,655)	($711,887)	$49,387	$2,035,725	$4,813,440	$7,621,518	$11,007,166	$14,024,552	$15,400,181	$15,461,799	
4. Average True-up Amount (50% of Line 3)	($2,579,777)	($2,043,111)	($1,107,828)	($355,944)	$24,694	$1,017,863	$2,406,720	$3,810,759	$5,503,583	$7,012,276	$7,700,091	$7,730,900	
5. Interest Rate - First Day of Month	2.42000	2.41000	2.41000	2.48000	2.43000	2.39000	2.32000	2.45000	2.45000	2.45000	2.30000	2.30000	
6. Interest Rate - First Day of Next Month	2.41000	2.41000	2.48000	2.43000	2.39000	2.32000	2.45000	2.45000	2.45000	2.30000	2.30000	2.30000	
7. Total (Line 5 + Line 6)	4.83000	4.82000	4.89000	4.91000	4.82000	4.71000	4.77000	4.90000	4.90000	4.75000	4.60000	4.60000	
8. Average Interest Rate (50% of Line 7)	2.41500	2.41000	2.44500	2.45500	2.41000	2.35500	2.38500	2.45000	2.45000	2.37500	2.30000	2.30000	
9. Monthly Average Interest Rate (Line 8/12)	0.00201	0.00201	0.00204	0.00205	0.00201	0.00196	0.00199	0.00204	0.00204	0.00198	0.00192	0.00192	
10. Interest Provision (Line 4 x Line 9)	($5,185)	($4,107)	($2,260)	($730)	$50	$1,995	$4,789	$7,774	$11,227	$13,884	$14,784	$14,843	$57,065

TAMPA ELECTRIC COMPANY
Energy Conservation
Calculation of Conservation Revenues

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

(1)	(2)	(3)	(4)
Months	Firm MWH Sales	Interruptible MWH Sales	Clause Revenue Net of Revenue Taxes
January	1,409,524	-	4,120,356
February	1,410,848	-	4,142,753
March	1,397,135	-	4,053,814
April	1,381,922	-	4,119,350
May	1,647,400	-	4,885,416
June	1,893,508	-	5,494,215
July	1,895,777	-	5,546,624
August	1,889,610	-	5,526,425
September	1,980,493	-	5,677,491
October	1,789,875	-	5,210,991
November	1,495,445	-	4,386,851
December	1,426,702	-	4,289,430
Total	19,618,238	0	57,453,717

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ENERGY AUDITS

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

Program Projections: January 1, 2019 to December 31, 2019

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

Residential Walk-Through:	6,500
Residential Customer Assisted:	35,000
Residential Computer Assisted:	1
BERS:	0

January 1, 2020 to December 31, 2020

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

Residential Walk-Through:	9,500
Residential Customer Assisted:	40,000
Residential Computer Assisted:	3
BERS:	0

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $2,054,947.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $2,317,899.

Program Progress Summary: Through December 31, 2018 the following Residential Energy Audit totals are:

Residential Walk-Through:	327,797
Residential Customer Assisted [(1)]:	150,698
Residential Computer Assisted:	3,910
BERS:	80
Total:	482,485

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

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL CEILING INSULATION

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 550 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 580 customers projected to participate.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $190,053.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $203,092.

Program Progress Summary: Through December 31, 2018 the following Residential Ceiling Insulation totals are:

Residential Ceiling Insulation: 123,362

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL DUCT REPAIR

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $200,281.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $136,833.

Program Progress Summary: Through December 31, 2018 the following Residential Duct Repair totals are:
Residential Duct Repair: 102,395

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $220.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $220.

Program Progress Summary: Through December 31, 2018 the following Residential ECM totals are:

Residential ECM: 5

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH

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

Program Projections: January 1, 2019 to December 31, 2019.

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $111,344.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $169,393.

Program Progress Summary: Through 2018, Tampa Electric has partnered with 125 local schools to present Energy Education to 40,524 students. In addition, the company gave 163 presentations to civic organizations that generated 1,190 customer assisted audits and distributed 6,835 energy saving kits to participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW MULTI-FAMILY RESIDENCES

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 250 multi-family residences projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 350 multi-family residences projected to participate.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $82,938.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $114,486.

Program Progress Summary: Through December 31, 2018 the following ENERGY STAR for New Multi-Family Residences totals are:

ENERGY STAR for New Multi-Family Residences: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW HOMES

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $855,286.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $1,568,691.

Program Progress Summary: On November 3, 2015 ENERGY STAR for New Homes replaced the prior Residential New Construction Program. Through December 31, 2018 the following ENERGY STAR for New Homes totals are:

ENERGY STAR for New Homes: 13,634

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL HEATING AND COOLING

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $541,651.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $544,234.

Program Progress Summary: Through December 31, 2018 the following Residential Heating and Cooling totals are:

Residential Heating and Cooling: 204,766

PROGRAM DESCRIPTION AND PROGRESS

Program Title: NEIGHBORHOOD WEATHERIZATION

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $3,034,509.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $3,167,040.

Program Progress Summary: Through December 31, 2018 the following Neighborhood Weatherization totals are:

Neighborhood Weatherization: 43,321

PROGRAM DESCRIPTION AND PROGRESS

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

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 5,250 projected customers for this program on a cumulative basis.

January 1, 2020 to December 31, 2020

During this period, there are 6,000 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $2,969,047.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $3,223,891.

Program Progress Summary: Through December 31, 2018 the following Energy Planner totals are:

Energy Planner Participating Customers: 4,886

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WALL INSULATION

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2018 to December 31, 2016

Expenditures are estimated to be $467.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $613.

Program Progress Summary: Through December 31, 2018 the following Residential Wall Insulation totals are:
Residential Wall Insulation: 197

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WINDOW REPLACEMENT

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $783,179.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $750,767.

Program Progress Summary: Through December 31, 2018 the following Residential Window Replacement totals are:

Residential Window Replacement: 15,023

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRIME TIME

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

Program Projections: January 1, 2019 to December 31, 2019

This program is retired.

January 1, 2020 to December 31, 2020

This program is retired.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $17,278.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $25,596.

Program Progress Summary: Program was retired on May 11, 2016.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL/INDUSTRIAL ENERGY AUDITS

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

Program Projections: January 1, 2019 to December 31, 2019

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

Commercial/Industrial (Free):	800
Comprehensive Commercial/Industrial (Paid):	2

January 1, 2020 to December 31, 2020

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

Commercial/Industrial (Free):	850
Comprehensive Commercial/Industrial (Paid):	5

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $390,979.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $449,143.

Program Progress Summary: Through December 31, 2018 the following Commercial Energy Audit totals are:

Commercial/Industrial (Free):	26,206
Comprehensive Commercial/Industrial (Paid):	238
Commercial Mail-in	1,477
Commercial/Industrial Total	27,921

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

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CEILING INSULATION

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $5,026.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $6,144.

Program Progress Summary: Through December 31, 2018 the following Commercial Ceiling Insulation totals are:

Commercial Ceiling Insulation: 319

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $39,723.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $29,992.

Program Progress Summary: Through December 31, 2018 the following Commercial Chiller totals are:
Commercial Chiller: 69

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COGENERATION

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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, 2019 to December 31, 2019

Expenditures are estimated to be $42,974.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $39,417.

Program Progress Summary: At the end of 2018, there are eight cogeneration Qualifying Facilities ("QFs") that are on-line in Tampa Electric's service area. These facilities have a total combined nameplate generation capacity of 443.3 MW. This includes generation that is connected but wheeled outside of Tampa Electric's service area.

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

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $1,257.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $52,083.

Program Progress Summary: Through December 31, 2018 the following Conservation Value totals are:
Conservation Value: 51

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOL ROOF

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $167,676.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $252,068.

Program Progress Summary: Through December 31, 2018 the following Commercial Cool Roof totals are:
Commercial Cool Roof: 253

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $1,455.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $2,345.

Program Progress Summary: Through December 31, 2018 the following Commercial Cooling totals are:
Commercial Cooling: 2,323

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DEMAND RESPONSE

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $3,913,782.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $3,989,740.

Program Progress Summary: Through December 31, 2018, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $730.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $1,235.

Program Progress Summary: Through December 31, 2018 the following Commercial Duct Repair totals are:
Commercial Duct Repair: 11,039

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $3,421.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $5,652.

Program Progress Summary: Through December 31, 2018 the following Commercial ECM totals are:

Commercial ECM: 1,512

PROGRAM DESCRIPTION AND PROGRESS

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

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $18,724,714.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $19,289,189.

Program Progress Summary: Through December 31, 2018, there are 34 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LED STREET AND OUTDOOR LIGHTING CONVERSION

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 40,000 luminaires projected to be converted.

January 1, 2020 to December 31, 2020

During this period, there are 50,000 luminaires projected to be converted.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Undepreciated net book value expenditures are estimated to be $5,466,854
Salvage value associated with converted luminaires are estimated to be $141,149
Net expenditures are estimated to be $5,325,706

January 1, 2020 to December 31, 2020

Undepreciated net book value expenditures are estimated to be $6,925,968
Salvage value associated with converted luminaires are estimated to be $201,600
Net expenditures are estimated to be $6,724,368

Program Progress Summary: Through December 31, 2018 the following street and outdoor metal halide and high-pressure sodium luminaires have been converted to light emitting diode luminaires:

Converted luminaires: 31,936

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING CONDITIONED SPACE

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 475 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 225 customers projected to participate.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $2,432,346.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $840,856.

Program Progress Summary: Through December 31, 2018 the following Lighting Conditioned Space totals are:
Lighting Conditioned Space: 2,365

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING NON-CONDITIONED SPACE

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 200 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 200 customers projected to participate.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $376,088.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $366,047.

Program Progress Summary: Through December 31, 2018 the following Lighting Non-Conditioned Space totals are:

Lighting Non-Conditioned Space: 797

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING OCCUPANCY SENSORS

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $11,668.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $10,236.

Program Progress Summary: Through December 31, 2018 the following Lighting Occupancy Sensors totals are:
Lighting Occupancy Sensors: 223

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are zero new installations projected.

January 1, 2020 to December 31, 2020

During this period, there are zero new installations projected.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $54,514.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $9,999.

Program Progress Summary: Through December 31, 2018 the following Commercial Load Management totals are:

Commercial Load Management Participating Customers: 6

PROGRAM DESCRIPTION AND PROGRESS

Program Title: REFRIGERATION ANTI-CONDENSATE CONTROL

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $1,736.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $3,414.

Program Progress Summary: Through December 31, 2018 the following Refrigeration Anti-Condensate totals are:

Refrigeration Anti-Condensate: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: STANDBY GENERATOR

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

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are seven new installations projected.

January 1, 2020 to December 31, 2020

During this period, there are three new installations projected.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $3,756,253.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $3,873,512.

Program Progress Summary: Through December 31, 2018 the following Standby Generator totals are:

Standby Generator Participating Customers: 94

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $253,297.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $253,336.

Program Progress Summary: Through December 31, 2018 the following Thermal Energy Storage totals are:

Thermal Energy Storage: 2

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WALL INSULATION

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $0.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $2,082.

Program Progress Summary: Through December 31, 2018 the following Commercial Wall Insulation totals are:
Commercial Wall Insulation: 2

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WATER HEATING

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

Program Projections: January 1, 2019 to December 31, 2019

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

January 1, 2020 to December 31, 2020

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

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $0.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $6,522.

Program Progress Summary: Through December 31, 2018 the following Commercial Water Heating totals are:
Commercial Water Heating: 0

PROGRAM DESCRIPTION AND PROGRESS

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

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

Program Projections: See Program Progress Summary.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $177,535.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $186,728.

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

1. Electric vehicle benefits and impacts.
2. Battery storage for peak shifting.
3. Heat Pump Water Heater inclusion into the Energy Planner Program.
4. Large commercial electric vehicle battery storage.
5. Commercial small to mid-sized business online energy audit.
6. Home energy management system.

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, 2019 to December 31, 2019

During this period, there are 1,500 projected customers with 2,300 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 750 blocks estimated to be purchased on a one-time basis.

January 1, 2020 to December 31, 2020

During this period, there are 1,000 projected customers with 1,700 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 1,500 blocks estimated to be purchased on a one-time basis.

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

During this period, the company anticipates revenues of approximately $152,808 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be $413,361.

January 1, 2020 to December 31, 2020

During this period, the company anticipates revenues of approximately $99,325 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be $236,231.

Program Progress Summary: Through December 31, 2018, there were 1,530 customers with 2,343 blocks subscribed. In addition, there were 702 blocks of renewable energy purchased on a one-time basis. On a cumulative basis, there have been 498,389 monthly subscription blocks and 2,870 one-time blocks of renewable energy purchased.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMON EXPENSES

Program Description: These are expenses common to all programs.

Program Projections: N/A

Program Fiscal Expenditures: January 1, 2019 to December 31, 2019

Expenditures are estimated to be $527,933.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be $623,662.

Program Progress Summary: N/A

FINAL TAX SAVINGS CREDIT
PROJECTED

INDEX

TAMPA ELECTRIC COMPANY
FINAL TAX SAVINGS CREDIT
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2020 - DECEMBER 2020
PROJECTED

RATE CLASS	(1) AVG 12 CP 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,RSVP	54.99%	9,587,607	1,990	1.08045	1.05238	10,089,768	2,150	49.25%	56.99%	56.40%
GS, CS	62.24%	984,036	180	1.08045	1.05236	1,035,556	195	5.05%	5.17%	5.16%
GSD Optional	4.71%	508,686	77	1.07575	1.04878	533,502	83	2.60%	2.20%	2.23%
GSD, SBF	70.76%	7,637,641	1,155	1.07575	1.04878	8,010,233	1,243	39.09%	32.94%	33.41%
IS,SBI	79.71%	649,419	93	1.02851	1.01705	660,489	96	3.22%	2.54%	2.59%
LS1	333.63%	154,170	5	1.08045	1.05238	162,245	6	0.79%	0.16%	0.21%
TOTAL		19,521,559	3,501			20,491,793	3,773	100.00%	100.00%	100.00%

(1) AVG 12 CP load factor based on 2019 projected calendar data.
(2) Projected MWH sales for the period January 2020 thru December 2020.
(3) Based on 12 months average CP at meter.
(4) Based on 2019 projected demand losses.
(5) Based on 2019 projected energy losses.
(6) Col (2) * Col (5).
(7) Col (3) * Col (4).
(8) Based on 12 months average percentage of sales at generation.
(9) Based on 12 months average percentage of demand at generation.
(10) Col (8) * 0.0769 + Col (9) * 0.9231

TAMPA ELECTRIC COMPANY

FINAL TAX SAVINGS CREDIT

JANUARY 2020

FINAL TAX SAVINGS CREDIT	**($11,500,000)**
REVENUE TAX FACTOR	**1.00072**
TOTAL RECOVERABLE INCLUDING REVENUE TAX FACTOR DOLLARS	**($11,508,280)**

TAMPA ELECTRIC COMPANY
FINAL TAX SAVINGS CREDIT
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2020
PROJECTED

RATE CLASS	(1) PERCENTAGE OF SALES AT GENERATION (%)	(2) PERCENTAGE OF DEMAND AT GENERATION (%)	(3) ENERGY RELATED COSTS ($)	(4) DEMAND RELATED COSTS ($)	(5) TOTAL COSTS ($)	(6) PROJECTED SALES AT METER (MWH)	(7) EFFECTIVE AT SECONDARY LEVEL (MWH)	(8) BILLING KW LOAD FACTOR (%)	(9) PROJECTED BILLED KW AT METER (kw)	(10) TAX CREDIT RECOVERY FACTOR ($/kw)	(11) TAX CREDIT RECOVERY FACTOR ($/kwh)
RS	49.25%	56.99%	(435,856)	(6,054,215)	(6,490,071)	716,189	716,189				(0.00906)
GS, CS	5.05%	5.17%	(44,692)	(549,224)	(593,916)	77,176	77,176				(0.00770)
GSD, SBF											
Secondary						489,588	489,588			(2.71)	
Primary						109,011	107,921			(2.68)	
Transmission						733	718			(2.66)	
GSD, SBF - Standard	39.09%	32.94%	(345,941)	(3,499,313)	(3,845,254)	599,332	598,227	57.82%	1,417,305		
GSD - Optional	2.60%	2.20%	(23,010)	(233,712)	(256,722)						
Secondary						39,024	39,024				(0.00645)
Primary						759	751				(0.00639)
Transmission						0	0				(0.00632)
IS, SBI										(2.18)	
Primary						9,878	9,779			(2.16)	
Transmission						45,127	44,224			(2.14)	
Total IS, SBI	3.22%	2.54%	(28,497)	(269,832)	(298,329)	55,005	54,003	54.03%	136,911		
LS1	0.79%	0.16%	(6,991)	(16,997)	(23,988)	13,987	13,987				(0.00172)
TOTAL	100.00%	100.00%	(884,987)	(10,623,293)	(11,508,280)	1,501,472	1,499,357				(0.00768)

(1) Obtained from page 1.
(2) Obtained from page 1.
(3) Total costs * 0.0769 * Col (1).
(4) Total costs * 0.9231 * Col (2).
(5) Col (3) + Col (4).
(6) Projected kWh sales for the period January 2020.
(7) Projected kWh sales at secondary for the period January 2020.
(8) Col 7 / (Col 9 * 730)*1000
(9) Projected kw demand for the period January 2020.
(10) Total Col (5) / Total Col (9).
(11) {Col (5) / Total Col (7)} / 1000.

Final Tax Savings Credit Communication

"Important Message"
To appear on December 2019 Billing Statement

Good news! Look for a credit on your next bill.

The credit will be based upon your usage, but figure about $9 if you average 1,000 kilowatt-hours a month. After recovering costs of restoring power for Hurricane Irma and other storms, Tampa Electric still had savings from a recent federal tax law change – this credit is returning these savings back to customers.

The credit was proposed by Tampa Electric, approved by the Florida Public Service Commission and supported by Florida's Office of Public Counsel, the Florida Industrial Power Users Group and the Florida Retail Federation.

"Important Message"
To appear on January 2020 Billing Statement

You have a credit on this month's bill.

Look for the "Final Tax Saving Credit" line item on this bill. A recent federal tax law change enabled Tampa Electric to use savings to cover the costs of restoring power after Hurricane Irma and several other storms. The credit is from savings that remained after storm costs were paid. We are pleased to pass these savings onto our customers.

Other channels, Tampa Electric will leverage to communicate this message:

- Bill message (above)
- e-News Update (opt-in newsletter) in December
- Tampa Electric Facebook and Twitter pages in December/January
- TTVN – internal television network in December/January