DOCKET NO. 170149-EI

FILED JUN 29, 2017 DOCUMENT NO. 05625-17 FPSC - COMMISSION CLERK

AUSLEY MCMULLEN

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P.O. BOX 391 (ZIP 32302)

TALLAHASSEE, FLORIDA 32301

(850) 224-9115 FAX (850) 222-7560

June 29, 2017

VIA: ELECTRONIC FILING

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

Re: Tampa Electric Company's Petition to Approve Modifications to Neighborhood

Weatherization and Energy Education, Awareness and Agency Outreach DSM

Programs

Dear Ms. Stauffer:

Attached for filing in the above-styled matter is Tampa Electric Company's Petition to Approve Modifications to Neighborhood Weatherization and Energy Education, Awareness and Agency Outreach DSM Programs.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp Attachment

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Tampa Electric Company's)	DOCKET NO
Petition to Approve Modifications to)	
Neighborhood Weatherization and)	
Energy Education, Awareness and)	
Agency Outreach Programs.	
	FILED: June 29, 2017

TAMPA ELECTRIC COMPANY'S PETITION TO APPROVE MODIFICATIONS TO NEIGHBORHOOD WEATHERIZATION AND ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH DSM PROGRAMS

Tampa Electric Company ("Tampa Electric" or "the company") hereby petitions the Commission to approve modifications to the company's Neighborhood Weatherization and Energy Education, Awareness and Agency Outreach Demand Side Management ("DSM") Programs to replace the current Compact Fluorescent Lamps ("CFL") that are included as components of the energy efficiency kits for each program with a specified number of Light Emitting Diode ("LED") lamps. As grounds therefor, the company says:

1. The persons to whom all notices and other documents should be sent in connection with this docket are:

James D. Beasley Paula K. Brown ibeasley@ausley.com regdept@tecoenergy.com J. Jeffry Wahlen Manager, Regulatory Coordination jwahlen@ausley.com Tampa Electric Company Ausley McMullen Post Office Box 111 Post Office Box 391 Tampa, FL 33601 Tallahassee, FL 32302 (813) 228-1444 (850) 224-9115 (813) 228-1770 (fax) (850) 222-7560 (fax)

2. Tampa Electric's Neighborhood Weatherization program was approved and implemented in March 2008 and the Energy Education, Awareness and Agency Outreach

conservation program was approved and implemented in March 2010. The vendor that packages the supporting energy efficiency kits for both of these programs notified the company in May 2017 that, at the end of 2017, they will no longer be procuring CFLs for their energy efficiency kits due to the price of LED lamps decreasing to a level that makes LED lamps a more economical alternative.

- 3. The proposed change will decrease the number of lamps provided in the Neighborhood Weatherization Program from eight CFL lamps to six LED lamps and will keep the number of lamps provided in the Energy Education, Awareness and Agency Outreach Program the same (i.e. four LED lamps in place of four CFL lamps). Each of these changes will maintain the summer and winter demand and annual energy savings from each program to at least what was prescribed in the company's Commission approved 2015-2024 DSM Plan.
- 4. This change does not affect the projected participation rate for either of these programs or any of the other items included in the energy efficiency kits as outlined in the company's Commission approved DSM Plan and associated DSM Standards.
- If approved, Tampa Electric will transition to the LED lamps once the supply of CFLs has been fully exhausted, which is projected to be around the beginning of 2018.
- 6. As a result of this proposed change, Tampa Electric projects there would be a cost per participant increase in Neighborhood Weatherization of \$7.86 (going from an original overall cost of \$374 to \$382 per participant) and a cost per participant increase in Energy Education, Awareness and Agency Outreach of \$5.24 (going from an original overall cost of \$38 to \$43 per participant).
- 7. Attached hereto as Exhibit "A" is the company's existing Neighborhood Weatherization Program description. Attached hereto as Exhibit "B" is the company's proposed

Neighborhood Weatherization Program, marked in legislative format to reflect the change to six LED lamps. Attached hereto as Exhibit "C" is the company's existing Energy Education, Awareness and Agency Outreach Program description. Attached hereto as Exhibit "D" is the company's proposed Energy Education, Awareness and Agency Outreach Program, marked in legislative format to reflect the change to four LED lamps. Attached hereto as Exhibit "E" is a copy of the proposed Neighborhood Weatherization Program participation standards marked in legislative format to reflect the change to six LED lamps. Attached hereto as Exhibit "F" is a copy of the proposed Energy Education, Awareness and Agency Outreach Program participation standards marked in legislative format to reflect the change to LED lamps.

8. Tampa Electric is not aware of any disputed issues of material fact relative to the matters addressed in this petition.

WHEREFORE, Tampa Electric Company respectfully requests Commission approval of its proposed modifications to its existing Neighborhood Weatherization and Energy Education, Awareness and Agency Outreach DSM programs and cost recovery associated with the proposed modifications.

DATED this 29th day of June 2017.

Respectfully submitted,

JAMES D. BEASLEY

J. JEFFRY WAHLEN

Ausley McMullen

Post Office Box 391

Tallahassee, FL 32302

(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

EXHIBIT A

Program: Neighborhood Weatherization

Program Start Date: March 2008

Program Description

The Neighborhood Weatherization Program is designed to assist low income families in reducing their energy usage. The goal of the program is to provide and install a package of conservation measures at no cost to the customer. Another key component will be educating families and promoting energy conservation techniques to help customers control and reduce their energy usage.

Customer eligibility is confirmed through the utilization of census data to identify eligible customer geographic regions of low income customers or by referrals through direct customer contact, distributed literature and communication through key community contacts or local community assistance agencies which serve low income households. Local residents of these qualifying geographic regions will have the opportunity enroll for participation in the program at no cost.

Tampa Electric will deliver the following applicable measures.

Duct Sealing

For qualified dwellings with a ducted central HVAC system, this will provide sealing of the ADS.

Ceiling Insulation

For qualified dwellings where the existing ceiling insulation is below R-19, this will provide for an R-13 to be installed. Any home where roof pitch limits accessibility, a lower R-value may be installed.

CFLs

This provides the resident with eight CFLs to replace incandescent bulbs with similar lumen output.

Water Heater Wrap

This will furnish and install a water heater wrap for an electric water heater manufactured prior to 1996.

Hot Water Pipe Insulation

This allows for the installation of hot water insulation on un-insulated pipes.

Water Heater Temperature Check and Adjustment

This provides a temperature check of the water heater temperature setting and informs the customer of the possibility for turn-down adjustment.

Low Flow Faucet Aerator

This allows for the installation of up to three low flow faucet aerators to reduce the amount of hot water used.

• Low Flow Showerhead

This allows for the installation of up to two low flow showerheads to reduce the amount of hot water used.

• Wall Plate Thermometer

This will provide for the installation of one wall plate thermometer per home to check the accuracy of the installed thermostat.

Refrigerator Coil Cleaning and Brush

This will provide for the cleaning of the refrigerator coil. The brush will be provided to the customer for future cleaning.

HVAC Weather Stripping Kit

This will provide for the installation of a weather stripping kit for window/wall HVAC units. The customer will receive or have installed up to two kits.

• Air Filter Whistle

This provides each homeowner with a filter whistle to help remind them to clean or change filter monthly.

Weatherization Measures

This portion of the program will provide weather stripping, caulk and foam sealant which will be used to reduce or stop air infiltration around doors, windows, attic entries and where pipes enter the home. Reducing air infiltration is vital to saving energy and improving comfort.

• Energy Savings Education Handout

This provides each homeowner with the content and directions for installation for some of the measures within the kit. The handout also includes several no-cost energy conservation tips that provide an immediate payback.

Program Participation Standards

Program Standards to be submitted 30 days after Commission order approving DSM Plan.

Program Savings

Savings were obtained using a combination of ITRON data for specific kit measures and DOE2 building simulations to determine the composite savings for this program. The analysis yielded the following expected savings per customer participant:

Summer Demand: 0.241 kW Winter Demand: 0.337 kW Annual Energy: 1,222 kWh

Program Costs

The estimated administrative cost per participant is \$374. There are no rebates or incentives for this program.

Program Monitoring and Evaluation

Tampa Electric will monitor and evaluate this program through cost-effectiveness techniques approved in the company's previously filed Demand Side Management Monitoring and Evaluation Plan, Docket No. 941173-EG.

EXHIBIT B

Program: Neighborhood Weatherization

Program Start Date: March 2008

Program Description

The Neighborhood Weatherization Program is designed to assist low income families in reducing their energy usage. The goal of the program is to provide and install a package of conservation measures at no cost to the customer. Another key component will be educating families and promoting energy conservation techniques to help customers control and reduce their energy usage.

Customer eligibility is confirmed through the utilization of census data to identify eligible customer geographic regions of low income customers or by referrals through direct customer contact, distributed literature and communication through key community contacts or local community assistance agencies which serve low income households. Local residents of these qualifying geographic regions will have the opportunity enroll for participation in the program at no cost.

Tampa Electric will deliver the following applicable measures.

Duct Sealing

For qualified dwellings with a ducted central HVAC system, this will provide sealing of the ADS.

Ceiling Insulation

For qualified dwellings where the existing ceiling insulation is below R-19, this will provide for an R-13 to be installed. Any home where roof pitch limits accessibility, a lower R-value may be installed.

• CFLs Light Emitting Diode (LED) Lamps

This provides the resident with eight CFLs six LED lamps to replace incandescent bulbs with similar lumen output.

Water Heater Wrap

This will furnish and install a water heater wrap for an electric water heater manufactured prior to 1996.

• Hot Water Pipe Insulation

This allows for the installation of hot water insulation on un-insulated pipes.

Water Heater Temperature Check and Adjustment

This provides a temperature check of the water heater temperature setting and informs the customer of the possibility for turn-down adjustment.

Low Flow Faucet Aerator

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Low Flow Showerhead

This allows for the installation of up to two low flow showerheads to reduce the amount of hot water used.

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This will provide for the installation of one wall plate thermometer per home to check the accuracy of the installed thermostat.

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This will provide for the cleaning of the refrigerator coil. The brush will be provided to the customer for future cleaning.

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• Air Filter Whistle

This provides each homeowner with a filter whistle to help remind them to clean or change filter monthly.

Weatherization Measures

This portion of the program will provide weather stripping, caulk and foam sealant which will be used to reduce or stop air infiltration around doors, windows, attic entries and where pipes enter the home. Reducing air infiltration is vital to saving energy and improving comfort.

Energy Savings Education Handout

This provides each homeowner with the content and directions for installation for some of the measures within the kit. The handout also includes several no-cost energy conservation tips that provide an immediate payback.

Program Participation Standards

Program Standards to be submitted 30 days after Commission order approving DSM Plan.

Program Savings

Savings were obtained using a combination of ITRON data for specific kit measures and DOE2 building simulations to determine the composite savings for this program. The analysis yielded the following expected savings per customer participant:

Summer Demand: 0.2410.245 kW
Winter Demand: 0.3370.339 kW
Annual Energy: 1,2221.255 kWh

Program Costs

The estimated administrative cost per participant is \$374382. There are no rebates or incentives for this program.

Program Monitoring and Evaluation

Tampa Electric will monitor and evaluate this program through cost-effectiveness techniques approved in the company's previously filed Demand Side Management Monitoring and Evaluation Plan, Docket No. 941173-EG.

TAMPA ELECTRIC COMPANY EXHIBIT B PAGE 3 OF 9

PROGRAM NAME:	NEIGHBORHOOD WEATHERIZATION
TITO OTO WITH WILL.	TEIGHBOITHOOD WE THEITE THO

	(a)	(b)	(c)	(d)	(e)
		Total	Annual	Cumulative	Cumulative
	Total	Number of	Number of	Penetration	Number of
	Number of	Eligible	Program	Level	Program
Year	Customers	Customers	Participants	%	Participants*
2015	630,869	210,290	5,000	2.4%	5,000
2016	640,735	213,578	5,750	5.0%	10,750
2017	650,702	216,901	6,250	7.8%	17,000
2018	660,594	220,198	6,750	10.8%	23,750
2019	670,381	223,460	7,000	13.8%	30,750
2020	680,041	226,680	7,000	16.7%	37,750
2021	689,544	229,848	7,000	19.5%	44,750
2022	698,908	232,969	7,000	22.2%	51,750
2023	708,128	236,043	7,000	24.9%	58,750
2024	717,339	239,113	7,000	27.5%	65,750

^{*} Previous participation levels not included.

PROGRAM NAME: NEIGHBORHOOD WEATHERIZATION

			AT THE METER	ÆTER		
	Per	Per	Per	Total	Total	Total
	Customer	Customer	Customer	Annual	Annual	Annual
	kWh	Winter kW	Summer kW	GWh	Winter mW	Summer mW
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction
2015		0.337	0.241	6.110	1.685	1.205
2016	1,222	0.337	0.241	13.137	3.623	2.591
2017	1,222	0.337	0.241	20.774	5.729	4.097
2018	1,255	0.339	0.245	29.806	8.051	5.819
2019	1,255	0.339	0.245	38.591	10.424	7.534
2020	1,255	0.339	0.245	47.376	12.797	9.249
2021	1,255	0.339	0.245	56.161	15.170	10.964
2022	1,255	0.339	0.245	64.946	17.543	12.679
2023	1,255	0.339	0.245	73.731	19.916	14.394
2024	1 255	0.339	946 0	82 516	22 289	16 109

PROGRAM NAME: NEIGHBORHOOD WEATHERIZATION

			AT THE GENERATOR	ERATOR		
	Per	Per	Per	Total	Total	Total
	Customer	Customer	Customer	Annual	Annual	Annual
	kWh	Winter kW	Summer kW	GWh	Winter mW	Summer mW
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction
2015		0.359	0.257	6.477	1.796	1.285
2016	1,295	0.359	0.257	13.925	3.862	2.762
2017	1,295	0.359	0.257	22.020	6.107	4.367
2018	1,330	0.361	0.261	31.595	8.583	6.203
2019	1,330	0.361	0.261	40.907	11.112	8.031
2020	1,330	0.361	0.261	50.219	13.642	9.859
2021	1,330	0.361	0.261	59.531	16.171	11.687
2022	1,330	0.361	0.261	68.843	18.701	13.516
2023	1,330	0.361	0.261	78.155	21.231	15.344
2024	1 330	0.361	0.261	87 467	23.760	17 172

TAMPA ELECTRIC COMPANY EXHIBIT B PAGE 6 OF 9

PRO	INPUT DATA - PART 1 PROGRAM TITLE: Neighborhood Weatherization	1 Weatherization	PSC FORM CE 1.1 PAGE 1 OF 1 RUN DATE: June 22, 2017
PROGRAM DEMAND SAVINGS & LINE LOSSES (1) CUSTOMER KW REDUCTION AT THE METER (2) GENERATOR KW REDUCTION PER CUSTOMER (3) KW LINE LOSS PERCENTAGE (4) GENERATION KWH REDUCTION PER CUSTOMER (5) KWH LINE LOSS PERCENTAGE (6) GROUP LINE LOSS MULTIPLIER (7) CUSTOMER KWH PROGRAM INCREASE AT METER (8)* CUSTOMER KWH REDUCTION AT METER	0.339 KW /CUST 0.289 KW GEN/CUST 7.30 % 1,329 KWH/CUST/YR 5.60 % 1 0 KWH/CUST/YR 1,255 KWH/CUST/YR	AVOIDED GENERATOR, TRANS. & DIST COSTS IV. (1) BASE YEAR IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST IV. (5) BASE YEAR AVOIDED TRANSMISSION COST IV. (6) BASE YEAR DISTRIBUTION COST IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE IV. (8) GENERATOR FIXED O& M COST IV. (9) GENERATOR FIXED O& M CSST IV. (9) GENERATOR FIXED O& M CSST	2017 2021 2018 682.22 \$/KW 37.16 \$/KW 69.64 \$/KW 12.240 % 12.27 \$/KW/YR
ECONOMIC LIFE & K FACTORS II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM II. (2) GENERATOR ECONOMIC LIFE II. (3) T & D ECONOMIC LIFE II. (4) K FACTOR FOR GENERATION II. (5) K FACTOR FOR T & D (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	15 YEARS 25 YEARS 25 YEARS 1.4181 1.4181	(12) (13) (14) (14) (16) (16) (17)	2.24 \$/KW/YR 8.54 \$/KW/YR 2.40 % 0.198 CENTS/KWH 2.40 % 13.20 % 3.95 CENTS/KWH 3.95 CENTS/KWH 0.00 \$/KW/YR
III. (1) UTILITY NONTRECURRING COST PER CUSTOMER III. (2) UTILITY RECURRING COST PER CUSTOMER III. (3) UTILITY COST ESCALATION RATE III. (4) CUSTOMER EQUIPMENT COST III. (5) CUSTOMER EQUIPMENT ESCALATION RATE III. (6) CUSTOMER O & M COST III. (7) CUSTOMER O & M ESCALATION RATE III. (8)* CUSTOMER TAX CREDIT ESCALATION RATE III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE III. (10)* INCREASED SUPPLY COSTS III. (11)* SUPPLY COSTS ESCALATION RATE III. (11)* SUPPLY COSTS ESCALATION RATE III. (11)* SUPPLY COSTS ESCALATION RATE III. (11)* SUPPLY SUSCOUNT RATE	120.00 \$/CUST 0.00 \$/CUST/YR 2.40 % 0.00 \$/CUST 2.30 % 0.00 \$/CUST/YR 2.30 % 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR		6.046 CENTS/KWH 1.00 % 1.00 % 1.00 %
III. (13)* UTILITY AFUDC RATE III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE III. (15)* UTILITY RECURRING REBATE/INCENTIVE III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0646 382.00 \$/CUST 0.00 \$/CUST/YR 0.00 %	CALCULATED BENEFITS AND COSTS (1)* TRC TEST - BENEFIT/COST RATIO (2)* PARTICIPANT NET BENEFITS (NPV) (3)* RIM TEST - BENEFIT/COST RATIO	6.14 38,448 0.63

PSC FORM CE 2.3 Page 1 of 1 June 22, 2017	(13)	CUMULATIVE DISCOUNTED NET RENEFITS) : : :	\$(000)	(645)	(904)	(652)	1,182	2,863	4,644	5,974	7,262	8,863	10,326	11,810	13,020	14,298	15,575			
ш ш ¬	(12)	NET BENEFITS		\$(000)	(645)	(294)	304	2,406	2,356	2,669	2,132	2,209	2,937	2,872	3,116	2,718	3,072	3,282	29,152	15,575	
	(11)	TOTAL		\$(000)	105	000	1.206	2,406	2,356	2,669	2,132	2,209	2,937	2,872	3,116	2,718	3,072	3,282	32,514	18,607	
	(10)	OTHER) <u>:</u> i	\$(000)	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	(6)	PROGRAM FUEL SAVINGS		\$(000)	105	331	1.013	1,458	1,383	1,678	1,123	1,173	1,871	1,784	1,997	1,582	1,904	2,087	20,219	11,674	
	(8)	AVOIDED T & D	BENEFITS	\$(000)	0 707	28 2	193	198	203	208	213	218	223	228	234	240	245	251	3,028	1,846	6.14
S rization	(7)	AVOIDED	BENEFITS	\$(000)	0 0		0	749	770	783	797	818	842	860	886	897	922	944	9,267	5,087	
OST TEST:	(9)	TOTAL) -))	\$(000)	750	929 881	902	0	0	0	0	0	0	0	0	0	0	0	3,362	3,032	1 /col (6)]:
RESOURCE COST TESTS M: Neighborhood Weatheri	(2)	OTHER) -))	\$(000)	0 0	o c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ratio - [col (
TOTAL RESOURCE COST TESTS PROGRAM: Neighborhood Weatherization	(4)	PARTICIPANT PROGRAM COSTS) -))	\$(000)	0 0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	Benefit/Cost Ratio - [col (11)/col (6)]:
	(3)	UTILITY PROGRAM COSTS) -))	\$(000)	750	029 881	905	0	0	0	0	0	0	0	0	0	0	0	3,362	3,032	0.06976
	(2)	INCREASED SUPPLY COSTS)))	\$(000)	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	te
	()	_		YEAR	2017	2018	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	NOMINAL	NPV:	Discount Rate

PSC FORM CE 2.4 Page 1 of 1 June 22, 2017	(12)	CUMULATIVE	NET BENEFITS	\$(000)	2,760	6,231	10,351	14,969	17,619	20,142	22,563	24,888	27,103	29,209	31,227	33,146	34,997	36,761	38,448			
	(11)	F L	BENEFITS	\$(000)		0 3,712	0 4,716	0 5,652							0 3,961				0 4,337	0 59,587	0 38,448	
	(10)	, H	COSTS	\$(000)																		
	(6)	ŭ E	COSTS	\$(000)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
رم الرو الروان	(8)	CUSTOMER	COSTS	\$(000)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PARTICIPANT COSTS AND BENEFITS PROGRAM: Neighborhood Weatherization	(7)	CUSTOMER	COSTS	\$(000)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NT COSTS Veighborhoo	(9)	- H C	BENEFITS	\$(000)	2,760	3,712	4,716	5,652	3,471	3,534	3,630	3,727	3,799	3,864	3,961	4,029	4,158	4,236	4,337	59,587	38,448	#DIV/0i
PARTICIPA PROGRAM: 1	(5)	i L	BENEFITS	\$(000)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	(4)	j j	REBATES	\$(000)	2,388	2,579	2,674	2,674	0	0	0	0	0	0	0	0	0	0	0	10,314	9,319	2021
	(3)) F	CREDITS	\$(000)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	(2)	SAVINGS	BILL	\$(000)	373	1,134	2,042	2,978	3,471	3,534	3,630	3,727	3,799	3,864	3,961	4,029	4,158	4,236	4,337	49,273	29,129	ar of gen unit:
	(1)	L	-	YEAR	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	NOMINAL	NPV:	In service year of gen unit:

(3270) (6644) (10081) (13517) (13308) (12833) (12874) (12879) (12879) (12879) (1790) (1794) (11794) (11794) (11794) (11794) (11794) (11794) PSC FORM CE 2.5 CUMULATIVE DISCOUNTED BENEFIT June 22, 2017 \$(000) 빌 Page 1 of 1 \$(000) (3,270) (3,610) (3,933) (4,207) 274 203 494 494 (64) (10) 696 609 830 409 740 -10,943 BENEFITS BENEFITS CUSTOMERS NET BENEFITS TO ALL (13) \$(000) 105 536 536 1,206 2,406 2,356 2,132 2,132 2,209 2,937 2,937 2,937 2,937 2,937 2,937 3,072 3,072 18,607 TOTAL (12) 00000000000000 0 OTHER REVENUE GAINS 0.63 \$(000) (10) 185 189 193 193 193 203 213 224 223 240 240 245 255 1,846 BENEFITS AVOIDED _ & □ \$(000) 6 PROGRAM: Neighborhood Weatherization UNIT & FUEL BENEFITS I 105 351 710 710 2,207 2,461 1,991 1,991 2,714 2,644 2,882 2,882 2,882 3,031 29,486 AVOIDED GEN UNIT 16,761 Benefit/Cost Ratio - [col (12)/col (7)]: 8 \$(000) 3,375 4,146 4,146 4,146 5,413 2,132 2,132 2,196 2,218 2,218 2,286 2,309 2,332 2,355 29,550 COSTS RATE IMPACT TEST TOTAL 6 00000000000000 0 0 OTHER COSTS 9 738 1,277 1,837 2,153 2,175 2,175 2,218 2,224 2,224 2,263 2,263 2,339 2,332 REVENUE LOSSES (2) INCENTIVES 2,388 2,579 2,674 2,674 10,314 9,319 0.06976 \$(000) 4 UTILITY PROGRAM COSTS 00000000 \$(000) 3 INCREASED SUPPLY COSTS 000000000000 0 8 YEAR 2017 2018 2018 2020 2021 2024 2025 2025 2027 2028 2029 2030 2031 Discount rate: NOMINAL Ξ NPV:

EXHIBIT C

Program: Energy Education, Awareness and Agency Outreach

Program Start Date: March 2010

Program Description

The Energy Education, Awareness and Agency Outreach Program is comprised of three distinct initiatives:

- 1) Public energy education
- 2) Energy awareness
- 3) Agency outreach

Energy Education and Awareness

This portion of the program is designed to establish opportunities for engaging groups of customers and students in energy-efficiency related discussions in an organized setting. Tampa Electric recognizes the importance of educating students and motivating customers through participation in its energy audits, and this program will provide the opportunity to accomplish both initiatives for large groups in one setting.

In order to create an awareness of this offering, the company will establish participation avenues through its Speakers' Bureau and Community Relations teams.

By working with local civic groups, churches, government sponsored public forums, homeowners associations, trade shows, rental property management groups, etc., Tampa Electric will establish informative presentations that help educate customers on no-cost practices they can implement to reduce their energy consumption, low-cost improvements to increase the efficiency of their homes and incentives available for making larger, long-term investments. This type of forum will allow for dialogue with customers in such a setting that many customers will simultaneously benefit from the discussion.

Additionally, this program will focus on opportunities to promote energy efficiency education through local school systems. Students will be educated on ways to become active participants in saving energy at home and at school through the use of theater, educational modules, videos or other learning tools that support Sunshine State Standards and are approved by school authorities.

Participants will be provided with an energy efficiency kit containing the following energy saving devices and supporting information appropriate for the audience.

CFLs

This provides four CFLs to replace incandescent bulbs with similar lumen output.

Water Heater Temperature Check and Adjustment

This provides a temperature check of the water heater temperature setting and informs the customer of the possibility for turn-down adjustment.

• Low Flow Faucet Aerator

This provides two low flow faucet aerators to reduce the amount of hot water used.

• Wall Plate Thermometer

This provides one wall plate thermometer to check the accuracy of the installed thermostat.

Air Filter Whistle

This provides one filter whistle to help remind to clean or change filter monthly.

• Energy Savings Education Handout

This provides the content and directions for installation for all of the measures within the kit. The handout also includes several no-cost energy conservation tips that provide an immediate payback.

This portion of the program will also focus on providing opportunities to encourage the conservation of energy and for the promotion of energy efficiency through local school systems by partnering with high school's driver's education classes. This portion of the program will provide energy efficiency and electric vehicle training curriculum and educational materials, one charging station and the incremental cost of one electric vehicle at selected high schools.

Agency Outreach

This portion of the program will allow for delivery of energy efficiency kits that will help educate agency clients on practices that help to reduce energy consumption. The suggested practices will mirror the recommendations provided to customers who participate in a free energy audit.

Customer eligibility is confirmed through the utilization of census data to identify eligible customer geographic regions of low income customers or by referrals through direct customer contact, distributed literature and communication through key community contacts or local community assistance agencies which serve low income households.

As a means to encourage adoption of the recommendations, agency clients who are seeking energyrelated assistance will be provided with the same energy efficiency kit above.

Program Participation Standards

Program Standards to be submitted 30 days after Commission order approving DSM Plan.

Program Savings

Savings were obtained using ITRON data. The analysis yielded the following expected savings per customer participant:

Summer Demand: 0.025 kW Winter Demand: 0.046 kW Annual Energy: 342 kWh

For the EV portion of this program, there are no projected Summer Demand, Winter Demand or Annual Energy savings.

Program Costs

The estimated administrative cost per participant is \$38. There are no rebates or incentives for this program.

The estimated administrative cost per participant for the EV portion of this program is \$15. There are no rebates or incentives for this portion of the program.

Program Monitoring and Evaluation

Tampa Electric will monitor and evaluate this program through cost-effectiveness techniques approved in the company's previously filed Demand Side Management Monitoring and Evaluation Plan, Docket No. 941173-EG.

EXHIBIT D

Program: Energy Education, Awareness and Agency Outreach

Program Start Date: March 2010

Program Description

The Energy Education, Awareness and Agency Outreach Program is comprised of three distinct initiatives:

- 1) Public energy education
- 2) Energy awareness
- 3) Agency outreach

Energy Education and Awareness

This portion of the program is designed to establish opportunities for engaging groups of customers and students in energy-efficiency related discussions in an organized setting. Tampa Electric recognizes the importance of educating students and motivating customers through participation in its energy audits, and this program will provide the opportunity to accomplish both initiatives for large groups in one setting.

In order to create an awareness of this offering, the company will establish participation avenues through its Speakers' Bureau and Community Relations teams.

By working with local civic groups, churches, government sponsored public forums, homeowners associations, trade shows, rental property management groups, etc., Tampa Electric will establish informative presentations that help educate customers on no-cost practices they can implement to reduce their energy consumption, low-cost improvements to increase the efficiency of their homes and incentives available for making larger, long-term investments. This type of forum will allow for dialogue with customers in such a setting that many customers will simultaneously benefit from the discussion.

Additionally, this program will focus on opportunities to promote energy efficiency education through local school systems. Students will be educated on ways to become active participants in saving energy at home and at school through the use of theater, educational modules, videos or other learning tools that support Sunshine State Standards and are approved by school authorities.

Participants will be provided with an energy efficiency kit containing the following energy saving devices and supporting information appropriate for the audience.

• CFLs Light Emitting Diode (LED) Lamps

This provides four CFLs-LED lamps to replace incandescent bulbs with similar lumen output.

• Water Heater Temperature Check and Adjustment

This provides a temperature check of the water heater temperature setting and informs the customer of the possibility for turn-down adjustment.

Low Flow Faucet Aerator

This provides two low flow faucet aerators to reduce the amount of hot water used.

Wall Plate Thermometer

This provides one wall plate thermometer to check the accuracy of the installed thermostat.

Air Filter Whistle

This provides one filter whistle to help remind to clean or change filter monthly.

Energy Savings Education Handout

This provides the content and directions for installation for all of the measures within the kit. The handout also includes several no-cost energy conservation tips that provide an immediate payback.

This portion of the program will also focus on providing opportunities to encourage the conservation of petroleum fuels and promotion of energy efficiency through local school systems by partnering with high school's driver's education classes. This portion of the program will provide energy efficiency and electric vehicle training curriculum and educational materials, charging stations and electric vehicles at selected high schools.

Agency Outreach

This portion of the program will allow for delivery of energy efficiency kits that will help educate agency clients on practices that help to reduce energy consumption. The suggested practices will mirror the recommendations provided to customers who participate in a free energy audit.

Customer eligibility is confirmed through the utilization of census data to identify eligible customer geographic regions of low income customers or by referrals through direct customer contact, distributed literature and communication through key community contacts or local community assistance agencies which serve low income households.

As a means to encourage adoption of the recommendations, agency clients who are seeking energyrelated assistance will be provided with the same energy efficiency kit above.

Program Participation Standards

Program Standards to be submitted 30 days after Commission order approving DSM Plan.

Program Savings

Savings were obtained using ITRON data. The analysis yielded the following expected savings per customer participant:

Summer Demand: 0.0250.027 kW

Winter Demand: 0.0460.049 kW

Annual Energy: 342-377 kWh

Program Costs

The estimated administrative cost per participant is \$3843. There are no rebates or incentives for this program.

Program Monitoring and Evaluation

Tampa Electric will monitor and evaluate this program through cost-effectiveness techniques approved in the company's previously filed Demand Side Management Monitoring and Evaluation Plan, Docket No. 941173-EG.

PROGRAM NAME: ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH

	(a)	(b)	(c)	(d)	(e)
		Total	Annual	Cumulative	Cumulative
	Total	Number of	Number of	Penetration	Number of
	Number of	Eligible	Program	Level	Program
Year	Customers	Customers	Participants	%	Participants*
2015	630,869	630,869	500	0.1%	500
2016	640,735	640,735	500	0.2%	1,000
2017	650,702	650,702	500	0.2%	1,500
2018	660,594	660,594	500	0.3%	2,000
2019	670,381	670,381	500	0.4%	2,500
2020	680,041	680,041	500	0.4%	3,000
2021	689,544	689,544	500	0.5%	3,500
2022	698,908	698,908	500	0.6%	4,000
2023	708,128	708,128	500	0.6%	4,500
2024	717,339	717,339	500	0.7%	5,000

^{*} Previous participation levels not included.

ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH PROGRAM NAME:

_	AT	∑ ∐ I	=====================================	Totol]O+OT
_ 5	Clistomer	Customer	Annial	Iotal Annual	lotal Annial
× i	Winter kW	Summer kW	GWh	Winter mW	Summer mW
Re	Reduction	Reduction	Reduction	Reduction	Reduction
	0.046	0.025	0.171	0.023	0.013
	0.046	0.025	0.342	0.046	0.025
	0.046	0.025	0.513	0.069	0.038
	0.049	0.027	0.754	0.098	0.054
	0.049	0.027	0.943	0.123	0.068
	0.049	0.027	1.131	0.147	0.081
	0.049	0.027	1.320	0.172	0.095
	0.049	0.027	1.508	0.196	0.108
	0.049	0.027	1.697	0.221	0.122
	0.049	0.027	1 885	0 245	0 135

ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH PROGRAM NAME:

	Total	Annual	Summer mW	Reduction	0.013	0.027	0.040	0.058	0.072	0.086	0.101	0.115	0.130	0 144
	Total	Annual	Winter mW	Reduction	0.025	0.049	0.074	0.104	0.131	0.157	0.183	0.209	0.235	0.261
ERATOR	Total	Annual	GWh	Reduction	0.181	0.363	0.544	0.799	0.999	1.199	1.399	1.598	1.798	1 998
AT THE GENERATOR	Per	Customer	Summer kW	Reduction	0.027	0.027	0.027	0.029	0.029	0.029	0.029	0.029	0.029	0.00
	Per	Customer	Winter kW	Reduction	0.049	0.049	0.049	0.052	0.052	0.052	0.052	0.052	0.052	0.052
	Per	Customer	kWh	Reduction		898	363	400	400	400	400	400	400	400
				Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024

-	INPUT DATA - PART 1 PROGRAM TITLE: Energy Educal	INPUT DATA - PART 1 PROGRAM TITLE: Energy Education, Awareness and Agency Outreach	PSC FORM CE 1.1 PAGE 1 OF 1 RUN DATE: June 23, 2017
PROGRAM DEMAND SAVINGS & LINE LOSSES (1) CUSTOMER KW REDUCTION AT THE METER (2) GENERATOR KW REDUCTION PER CUSTOMER (3) KW LINE LOSS PERCENTAGE (4) GENERATION KWH REDUCTION PER CUSTOMER (5) KWH LINE LOSS PERCENTAGE (6) GROUP LINE LOSS MULTIPLIER (7) CUSTOMER KWH PROGRAM INCREASE AT METER (8)* CUSTOMER KWH REDUCTION AT METER	0.049 KW /CUST 0.034 KW GEN/CUST 7.30 % 399 KWH/CUST/YR 5.60 % 1 0 KWH/CUST/YR 377 KWH/CUST/YR		2017 2021 2018 682.22 \$/KW 37.16 \$/KW 69.64 \$/KW 12.40 %
ECONOMIC LIFE & K FACTORS I. (1) STUDY PERIOD FOR CONSERVATION PROGRAM II. (2) GENERATOR ECONOMIC LIFE III. (3) T & D ECONOMIC LIFE III. (4) K FACTOR FOR GENERATION II. (5) K FACTOR FOR T & D (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	15 YEARS 25 YEARS 1.4181 1.4181	N. (9) GENERAL UK FIXED US MESCALATION RATE N. (10) TRANSMISSION FIXED O & M COST N. (11) DISTRIBUTION FIXED O & M COST N. (12) T&D FIXED O&M ESCALATION RATE N. (13) AVOIDED GEN UNIT VARIABLE O & M COST S N. (14) GENERATOR CAPACITY FACTOR N. (16) GENERATOR CAPACITY FACTOR N. (16) AVOIDED GENERATING UNIT FUEL COST N. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE N. (18)* AVOIDED PURCHASE CAPACITY COST PER KW N. (18)* CAPACITY COST ESCALATION RATE N. (19)* CAPACITY COST ESCALATION RATE	2.40 % 2.24 \$/KW/YR 8.54 \$/KW/YR 2.40 % 13.20 % 13.20 % 3.95 CENTS/KWH 3.69 % 0.00 \$/KW/YR 0.00 \$
II. (1) UTILITY NONRECURRING COST PER CUSTOMER III. (2) UTILITY RECURRING COST PER CUSTOMER III. (3) UTILITY COST ESCALATION RATE III. (4) CUSTOMER EQUIPMENT COST III. (5) CUSTOMER EQUIPMENT ESCALATION RATE III. (6) CUSTOMER O & M COST III. (7) CUSTOMER O & M ESCALATION RATE III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE III. (10)* NORTEASED SUPPLY COSTS III. (11)* SUPPLY COSTS ESCALATION RATE III. (11)* UTILITY DISCOUNT RATE	43.00 \$/CUST 0.00 \$/CUST/YR 2.40 % 0.00 \$/CUST 2.30 % 0.00 \$/CUST/YR 2.30 % 0.00 \$/CUST 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 % 0.00 \$/CUST/YR 0.00 \$/CUST/YR 0.00 \$/CUST/YR	NON-FUEL ENERGY AND DEMAND CHARGES V. (1) NON-FUEL COST IN CUSTOMER BILL V. (2) NON-FUEL ESCALATION RATE V. (3) CUSTOMER DEMAND CHARGE PER KW V. (4) DEMAND CHARGE ESCALATION RATE V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	6.046 CENTS/KWH 1.00 % 0.000 \$/KW/MO 1.00 %
III. (13)* UTILITY AFUDC RATE III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE III. (15)* UTILITY RECURRING REBATE/INCENTIVE III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0646 0.00 \$/CUST 0.00 \$/CUST/YR 0.00 %	CALCULATED BENEFITS AND COSTS (1)* TRC TEST - BENEFIT/COST RATIO (2)* PARTICIPANT NET BENEFITS (NPV) (3)* RIM TEST - BENEFIT/COST RATIO	4.01 651 0.69

(19) (34) (34) (33) (33) (2) 27 28 79 99 99 1152 1152 1152 221 PSC FORM CE 2.3 CUMULATIVE DISCOUNTED NET BENEFITS June 23, 2017 \$(000) (13) Page 1 of 1 NET BENEFITS 472 243 44 33 34 45 45 45 45 45 45 45 \$(000) (12) TOTAL BENEFITS 323 \$(000) 5 OTHER BENEFITS 0000000000 \$(000) (10) 451 **PROGRAM** SAVINGS 261 FUEL 6 PROGRAM: Energy Education, Awareness and Agency Outreach BENEFITS α 19 4.01 3 AVOIDED AVOIDED GEN UNIT T&D 8 BENEFITS 8 4 \$(000) 6 TOTAL RESOURCE COST TESTS Benefit/Cost Ratio - [col (11)/col (6)]: 89 8 TOTAL \$(000) 9 COSTS OTHER \$(000) (2) 0000000000000 **PARTICIPANT** PROGRAM COSTS \$(000) 4 UTILITY PROGRAM 0.06976 8 COSTS \$(000) 3 INCREASED 0000000000000 0 0 SUPPLY COSTS \$(000) $\overline{\mathfrak{S}}$ Discount Rate 2020 2022 2023 2024 2025 2026 2027 2028 2028 2030 2030 2021 NOMINAL YEAR $\overline{\epsilon}$ NPV:

PSC FORM CE 2.4 Page 1 of 1 June 23, 2017	(12)	CUMULATIVE DISCOUNTED NET BENEFITS	6 (222)	34	74	129	188	244	298	350	399	446	491	533	574	614	651			
	(11)	NET BENEFITS	6000	27	46	29	77										96	1,100	651	
	(10)	TOTAL COSTS	(000)*		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
outreach	(6)	OTHER COSTS	(222)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PARTICIPANT COSTS AND BENEFITS PROGRAM: Energy Education, Awareness and Agency Outreach	(8)	CUSTOMER O & M COSTS	0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PARTICIPANT COSTS AND BENEFITS ROGRAM: Energy Education, Awarenes	(7)	CUSTOMER C EQUIPMENT COSTS	(222)*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NT COSTS /	(9)	TOTAL BENEFITS \$(000)	6 (222)	27	46	29	77	79	81	83	85	86	88	06	93	94	96	1,100	651	#DIV/0i
PARTICIPAN PROGRAM: E	(2)	OTHER BENEFITS E	(222)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
L	(4)	UTILITY REBATES \$(000)	(200)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2021
	(3)	TAX CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	(2)	SAVINGS IN PARTICIPANTS BILL	000)*	27	46	29	77	62	81	83	85	98	88	06	93	94	96	1,100	651	In service year of gen unit:
	(1)		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	NOMINAL	NPV:	In service ye

					RATE IMPACT TEST PROGRAM: Energy E	CT TEST Energy Edi	RATE IMPACT TEST PROGRAM: Energy Education, Awareness and Agency Outreach	ness and Ag	ency Outrea	5		L L ->	PSC FORM CE 2.5 Page 1 of 1 June 23, 2017
(£)	(2)	(3)	(4)	(5)	(9)	(2)	(8)	(6)	(10)	(11)	(12)	(13)	(14)
_	INCREASED SUPPLY COSTS	UTILITY PROGRAM COSTS	INCENTIVES	REVENUE LOSSES	OTHER	TOTAL	AVOIDED GEN UNIT UNIT & FUEL BENEFITS	AVOIDED T & D BENEFITS	REVENUE GAINS	OTHER BENEFITS	TOTAL BENEFITS	NET BENEFITS TO ALL CUSTOMERS	CUMULATIVE DISCOUNTED NET BENEFIT
YEAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2017	0	22	0	9 1	0	27	С	0 0	0	0	ε ξ	(25)	(25)
2018	0	3 2	00	29	00	52 52	16	7 7	00	00	5 6	(29) (34)	(32)
2020	0	23	0	4	0	64	23	2	0	0	25	(40)	(114)
2021	0	0	0	47	0	47	39	2	0	0	4	(2)	(119)
2022	0	0	0	48	0	48	37	2	0	0	39	(8)	(125)
2023	0	0	0	48	0	48	44	2	0	0	46	(2)	(126)
2024	0	0	0	49	0	49	32	2	0	0	34	(15)	(135)
2025	0	0	0	49	0	49	33	2	0	0	35	(14)	(143)
2026	0	0	0	20	0	20	49		0	0	51	_	(143)
2027	0	0	0	20	0	20	47	2	0	0	49	(1)	(143)
2028	0	0	0	51	0	51	52	2	0	0	54	4	(142)
2029	0	0	0	51	0	51	43	2	0	0	45	(9)	(144)
2030	0	0	0	52	0	52	20	3	0	0	53	_	(144)
2031	0	0	0	52	0	52	22	3	0	0	25	2	(142)
NOMINAL	0	88	0	642	0	731	531	31	0	0	562	-169	
NPV:	0	8	0	385	0	465	305	19	0	0	323	-142	
Discount rate:	ö		0.06976		Benefit/Cos	st Ratio - [co	Benefit/Cost Ratio - [col (12)/col (7)]:		0.69				

EXHIBIT E

Program: Neighborhood Weatherization

Program Participation Standards

- 1. Participation is available to any qualified residential customer located within Tampa Electric's service area. Census data will be utilized to identify qualified residential blocks of low-income customers.
- 2. Homes that have previously participated in the company's weatherization program are not eligible.
- 3. Tampa Electric will deliver the following applicable measures to participating customers at no cost.
 - Duct Sealing
 - ADS must be accessible for sealing and repair. The ADS is defined as the air handler, air ducts, return plenums, supply plenums and any connecting structure.
 - Residences must have a working central ducted HVAC system with electric heating or air conditioning. Residences with non-electric heating are eligible. Conditions precluding participation will be initially identified.
 - Tampa Electric will appoint a participating HVAC contractor to seal and repair existing ADS. HVAC contractor will seal and repair all accessible components of the ADS in the residence.
 - This measure is managed through a negotiated agreement between Tampa Electric and participating contractors for typical duct repairs.
 - Typical duct repairs are defined as labor and materials necessary to seal ADS to measure standards and do not exceed replacement of one continuous flex duct and/or one sheet of duct board.
 - Sealing and repairs to ADS will use mastic techniques (adhesive with fibers embedded or adhesive with fabric reinforced tape). Air handler panels/openings will be sealed with tape or other approved materials. If ducts are replaced, mastic must be used to seal all joints, connections and seams in the ADS.
 - Ceiling Insulation
 - An additional R-13 of ceiling insulation where the existing insulation is less than R-19. Any home where roof pitch limits accessibility, a lower R-value may be installed. Homes must have electric whole house air conditioning or heating.
 - Energy Efficiency Kit which will contain:
 - Eight compact fluorescent <u>Six light emitting diode (LED)</u> lamps to replace incandescent bulbs with similar lumens output.
 - The installation of up to three low flow faucet aerators per household. Each aerator will be rated at 1 gallon per minute ("GPM").
 - The installation of up to two low flow showerheads per household. The showerhead will be rated at 1.5 GPM.

- A brush for cleaning the refrigerator coil. The brush will be left at the residence and the customer will be educated on proper cleaning techniques.
- The installation of a water heater wrap for an electric water heater manufactured prior to 1996.
- o A temperature check and adjustment for water heaters.
- The installation of one switch cover wall plate thermometer will be provided per home.
- The installation of a maximum of two HVAC weather stripping kits where there are only wall/window air conditioning units in use.
- For central HVAC units, a filter whistle will be provided to help remind the resident to clean or change filter monthly.
- The installation of weather stripping, caulk and foam sealant to reduce or stop air infiltration around doors, windows, attic entries and where pipes enter the home.
- 4. Each customer will only be eligible for one Energy Efficiency Kit from one of the following programs one time each year.
 - Energy Education, Awareness and Agency Outreach.
 - Neighborhood Weatherization.
- 5. No payment shall be made by Tampa Electric until:
 - Contractor submits a complete and correct invoice to Tampa Electric.
 - Installation has passed Tampa Electric's verification process.
- Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating residences. Work orders not selected for field verification will have an office verification to validate information.
- 7. The reporting requirements for this program will follow Rule 25-17.0021 (5), F.A.C. Additionally, program expenses will be identified in the ECCR True-Up and Projection Filings.

EXHIBIT F

Program: Energy Education, Awareness and Agency Outreach

Program Participation Standards

- Participation is available to schools, civic groups, churches, government sponsored public events, homeowner associations, trade shows and professional associations. Energy education and awareness presentations will be made. For qualifying agency outreach customers, a participating agency determines the customer's eligibility based on census data and the same standards used to provide other energy assistance.
- 2. Each presentation will include information that directly relates to recommendations currently provided with Tampa Electric's Energy Audits.
- 3. Participating energy-related assistance agencies must be authorized by Tampa Electric to deliver the applicable portion of the program.
- 4. Residential customers located within Tampa Electric's service area that participates in the energy education and awareness presentation will be provided with an energy efficiency kit at no cost.
- 5. Qualified residential low income customers referred through an approved agency will be provided with an energy efficiency kit at no cost along with being offered a walk-through energy audit.

Each kit will contain:

- Four compact fluorescent light emitting diode (LED) lamps to replace incandescent lamps with similar lumen outputs.
- Two low-flow faucet aerators.
- An air filter whistle to remind residents to clean or change filter monthly.
- A hot water temperature card to check the water heaters temperature setting for opportunity for turn down.
- A wall plate thermometer to check the accuracy of their existing thermostat setting.
- No-cost energy efficiency recommendations that can be immediately adopted.
- 6. Each Tampa Electric customer will only be eligible for one energy efficiency kit from one of the following programs one time each year.
 - Energy Education, Awareness and Agency Outreach.
 - Neighborhood Weatherization.
- 7. To be eligible for participation in the energy education electric vehicle driver's education portion of the program, the high school must meet all the following criteria:
 - Complete the application

- Agree that the electric vehicle that is incrementally funded will be used solely for the driver's education program
- Agree that the school is responsible for the maintenance, operations and insurance of vehicles and the energy used to charge the vehicles.
- Offer driver's education program curriculum during each semester or quarter the school is in session.
- Agree to allow Tampa Electric to install or have a charging station installed on school premises and permit access to charging equipment for periodic inspections and maintenance by Tampa Electric or its designated contractor.
- Agree to allow Tampa Electric to install a recording meter or individual sub-meters on the charging equipment.
- Make space available for an energy education kiosk for energy efficiency and petroleum fuels conservation material.
- Make time available to preview this program to other schools that may participate in the program.
- 8. Students that solely participate in the energy education electric vehicle driver's education portion of the program are not eligible to receive the energy efficiency kit.
- 9. Tampa Electric will survey 90 percent of the students that participate in the energy education electric vehicle driver's education portion of the program for verification and validation.
- 10. Tampa Electric will survey 10 percent of the participating customers for verification and validation.
- 11. The reporting requirements for this program will follow Rule 25-17.0021 (5), F.A.C. Additionally, program expenses will be identified in the ECCR True-up Projection Filings.