

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

April 19, 2017

VIA: ELECTRONIC FILING

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


Re: Docket No. 170015-EI – Petition to amend energy education, awareness and agency outreach program, by Tampa Electric Company

Dear Ms. Stauffer:

Attached for filing in the above docket is Tampa Electric Company's Revised Petition to Amend Energy Education, Awareness and Agency Outreach Program

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)
Petition to Amend Energy Education,)
Awareness and Agency Outreach Program.)
_____)

DOCKET NO. 170015-EI

FILED: January 10, 2017
REVISED: April 19, 2017

**TAMPA ELECTRIC COMPANY'S PETITION
TO AMEND ENERGY EDUCATION,
AWARENESS AND AGENCY OUTREACH PROGRAM**

Tampa Electric Company ("Tampa Electric" or "the company") hereby petitions the Commission to amend the company's Energy Education, Awareness and Agency Outreach Program to offer energy education on the operation and maintenance of electric vehicles ("EV").

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
jbeasley@ausley.com
J. Jeffry Wahlen
jwahlen@ausley.com
Ausley McMullen
Post Office Box 391
Tallahassee, FL 32302
(850) 224-9115
(850) 222-7560 (fax)

Paula K. Brown
regdept@tecoenergy.com
Manager, Regulatory Coordination
Tampa Electric Company
Post Office Box 111
Tampa, FL 33601
(813) 228-1444
(813) 228-1770 (fax)

2. Tampa Electric's Energy Education, Awareness and Agency Outreach conservation program ("Program") was approved and implemented in March 2010. Since the implementation of this Program the company has determined a need to offer additional energy education which will focus on the operation, maintenance and ownership considerations of EV. Tampa Electric is

proposing to enhance the existing Program by partnering with a limited number of high schools within the company's service area to be part of the driver's education training programs at those schools. This new aspect of the company's program will offer students the opportunity to learn: the proper driving skills needed to maximize energy efficient driving with EV; types, characteristics and operations of different EV charging technologies; considerations of EV ownership which will help reduce the anxiety of maintaining and operating an EV; about electric rates and when charging the EV is the least expensive; and the importance of reducing the total energy usage consumed while owning an EV.

3. Tampa Electric views the proposed Program enhancement as very positive for the community providing students EV energy education as well as information about other energy efficient technologies beyond EV within the classroom. The company believes that this Program enhancement will provide many years of ongoing energy efficiency benefits and is consistent with the Commission's past practice of focusing on energy education and making customers aware of energy efficient technologies while expanding it to place emphasis on decreasing the energy consumption from the resultant use of an EV as well as educating the driver when to charge the EV to minimize any concurrent peak demand impacts to the company.

4. If approved, Tampa Electric will implement this addition to the EV enhancement to the Program in four phases. The first phase will be partnering with the University of South Florida's Center for Urban Transportation Research ("CUTR") which will develop an electric vehicle curriculum applicable to Florida high schools. After the curriculum is developed, the second phase will begin with Tampa Electric selecting a high school within the company's service area that desires to participate in this Program with the EV curriculum. The third phase will then implement the curriculum in the high school's driver's education program, fund the incremental

lease or purchase of one EV for that school's driver's education program and install one Level II EV charger at the school solely for the purpose of charging the EV. The fourth phase will be to seek additional schools to participate in the Program.

5. This initiative will educate young drivers on the energy efficiency, operation and maintenance of EVs and will also cover other energy efficient technologies.

6. Tampa Electric proposes to offer the EV curriculum under this portion of the Program in the fall semester of 2017 with one high school and to then expand the Program to cover a maximum of five high schools in different locations within the company's service area.

7. Tampa Electric projects the cost of this portion of the Program to be \$439,800 over the first three years it is in place and expects the high schools collectively to train approximately 1,750 drivers per year per school through this program. The projected cost breakdown is below:

	2017	2018	2019	2020	Total
Electric Vehicles	\$3,000	\$18,000	\$24,000	\$24,000	\$69,000
Charger	\$8,000	\$32,000	\$0	\$0	\$40,000
Charger Installation	\$27,000	\$108,000	\$0	\$0	\$135,000
Charger Inspections	\$0	\$800	\$4,000	\$4,000	\$8,800
Program Manager	\$10,000	\$15,000	\$15,000	\$15,000	\$55,000
Materials	\$8,000	\$16,000	\$16,000	\$16,000	\$56,000
Program Curriculum	\$60,000	\$0	\$0	\$0	\$60,000
Advertising	\$4,000	\$4,000	\$4,000	\$4,000	\$16,000
Annual Total	\$120,000	\$193,800	\$63,000	\$63,000	
				Projected Grand Total	\$439,800

8. Attached hereto as Exhibit "A" is the company's existing Energy Education, Awareness and Agency Outreach Program description. Also attached hereto as Exhibit "B" is the proposed company's Energy Education, Awareness and Agency Outreach Program, marked in legislative format to reflect the addition of the EV high school driver's education portion of the plan. Also attached hereto as Exhibit "C" is a copy of the proposed Program participation standards marked in legislative format to reflect the addition of the electric vehicle education component of the Program.

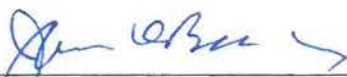
9. If approved, Tampa Electric will propose collection of 2017 expenses associated with this addition as a component of its energy conservation cost recovery true-up for 2017.

10. 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 modification to its existing Energy Education, Awareness and Agency Outreach conservation program and cost recovery associated with the proposed modification.

DATED this 19th day of April, 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: 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.

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 energy-related 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

Program Costs

The estimated administrative cost per participant is \$38. 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: 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 schools' 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 energy-related 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 C

Program: Energy Education, Awareness and Agency Outreach

Program Participation Standards

1. 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 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 participating 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 the electric vehicle and the energy used to charge the vehicle.
 - 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 personnel 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 on campus for energy efficiency 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 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.