

State of Florida



# Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

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**DATE:** February 20, 2025

**TO:** Office of Commission Clerk (Teitzman)

**FROM:** Division of Engineering (Wooten, Ellis, Ramos) *TB*  
Office of the General Counsel (Farooqi, Imig) *ACH*

**RE:** Docket No. 20240163-EG – Petition for approval of proposed demand-side management plan and demand-side management program standards, by Tampa Electric Company.

**AGENDA:** 03/04/25 – Regular Agenda – Proposed Agency Action – Interested Persons May Participate

**COMMISSIONERS ASSIGNED:** All Commissioners

**PREHEARING OFFICER:** Clark

**CRITICAL DATES:** None

**SPECIAL INSTRUCTIONS:** Staff recommends the Commission simultaneously consider Docket Nos. 20240163-EG, 20240166-EG, 20240167-EG, 20240169-EG, and 20240170-EG.

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## Case Background

Sections 366.80 through 366.83, and 403.519, Florida Statutes (F.S.), known collectively as the Florida Energy Efficiency and Conservation Act (FEECA), requires the Florida Public Service Commission (Commission) to adopt conservation goals to increase the efficiency of energy consumption. FEECA emphasizes reducing the growth rates of weather-sensitive peak demand, reducing and controlling the growth rates of electricity consumption, reducing the consumption of expensive resources such as petroleum fuels, and encouraging demand-side renewable energy resources. The Commission most recently established conservation goals for Tampa Electric Company (TECO or Utility) by Order No. PSC-2024-0430-FOF-EG, issued September 20, 2024,

Docket No. 20240163-EG

Date: February 20, 2025

(2024 Goalsetting Order) in Docket 20240014-EG.<sup>1</sup> On December 13, 2024, TECO filed a petition requesting approval of its demand-side management (DSM) Plan and associated program standards.

The Commission has jurisdiction over this matter pursuant to Sections 366.80 through 366.83 and 403.519, F.S.

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<sup>1</sup> Order No. PSC-2024-0430-FOF-EG, issued September 20, 2024, in Docket No. 20240014-EG, *In re: Commission review of numeric conservation goals (Tampa Electric Company)*.

## Discussion of Issues

**Issue 1:** Should the Commission approve Tampa Electric Company's proposed DSM Plan and program standards?

**Recommendation:** Yes. TECO's DSM Plan is consistent with the proposed programs used to establish its DSM goals and is projected to meet the annual numeric conservation goals approved by the Commission in the 2024 Goalsetting Order. TECO's proposed DSM Plan is overall cost-effective based upon the Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) tests. In addition, Staff has reviewed TECO's administrative program standards and they appear to be consistent with the Utility's proposed DSM Plan submitted for approval by the Commission. Therefore, staff recommends that the Commission allow TECO to file for cost recovery of the programs included in its proposed DSM Plan in the Energy Conservation Cost Recovery (ECCR) proceeding. However, TECO must demonstrate that the expenditures to implement its DSM programs are reasonable and prudent in order to recover those expenditures. In addition, staff requests that TECO notify the Commission prior to modifying its DSM Plan or program standards. (Wooten)

**Staff Analysis:** Section 366.82(7), F.S., requires that following the adoption of annual conservation goals, the Commission shall require each utility subject to FEECA to develop a DSM plan to meet its conservation goals. Rule 25-17.0021(4), Florida Administrative Code (F.A.C.), requires each electric utility subject to FEECA to file its DSM plan, which consists of one or more DSM programs, and program participation standards for Commission approval. The Commission considers the appropriateness of DSM programs by evaluating the following criteria, first outlined in Order No. 22176: (1) whether the program advances the policy objectives of FEECA and its implementing rules; (2) whether the program is directly monitorable and yields measurable results; and (3) whether the program is cost-effective.<sup>2</sup> Pursuant to 366.82(7), F.S., the Commission may then elect to approve, modify, or deny the utility's DSM Plan.

### TECO's Proposed DSM Plan

Staff reviewed TECO's proposed DSM Plan, including its demand and energy savings, cost-effectiveness, and rate impact. The programs within the proposed DSM Plan are consistent with the proposed DSM programs evaluated by the Commission in the 2024 Goalsetting proceeding. A complete list of the programs and a brief description of each program can be found in Attachment A. TECO also submitted its administrative program standards along with its proposed DSM Plan, which can be found in Attachment B. Staff has reviewed the administrative program standards and they appear consistent with the Utility's proposed DSM Plan.

TECO's proposed DSM Plan consists of 29 programs in total, including 14 residential and 15 commercial/industrial programs, including 1 Conservation Research and Development (R&D) program. The program modifications consist of changing rebate amounts to further incentivize program participation and modifying measures to meet newer efficiency standards. TECO intends to continue the Conservation R&D program as it has led to the successful launch of DSM

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<sup>2</sup> Order No. 22176, issued November 14, 1989, in Docket No. 890737-PU, In re: *Implementation of Section 366.80-.85, F.S., Conservation Activities of Electric and Natural Gas Utilities.*

programs. Staff notes that the proposed DSM plan asserts that the Conservation R&D program has an annual estimated cost of \$400,000 and that the total program cost shall not exceed \$2,000,000 for the five-year period.

TECO projected the 2025-2034 program participation levels based on historical program participation trends, except for TECO’s proposed Neighborhood Weatherization program, which reflects an increase consistent with the Utility’s commitments in the 2024 Goalsetting Order. Based on these estimates, TECO’s proposed DSM Plan meets the goals set in the 2024 Goalsetting Order, and the programs included in TECO’s DSM Plan are directly monitorable and measurable.

As required by Rule 25-17.008, F.A.C., TECO provided a cost-effectiveness analysis of the proposed programs using the RIM, TRC, and the Participants Tests. All programs pass the TRC and Participants test, and all but two programs pass the RIM test. Overall, TECO’s DSM Plan is cost-effective and all programs maintained the same cost-effectiveness values in the Utility’s proposed DSM plan that were established in the DSM Goals proceeding. Accordingly, staff recommends that TECO’s DSM plan and program standards be approved.

TECO is responsible for monitoring actual participation rates and seeking Commission action if necessary to modify, add, or remove programs. If TECO is unable to meet the Commission’s goals, the Utility may be subject to appropriate action by the Commission, up to and including financial penalties. Table 1-1 is an estimate of the annual ECCR cost and monthly bill impact for a typical residential customer for TECO’s proposed DSM Plan.

**Table 1-1  
 TECO’s DSM Plan Annual Cost and Estimated Monthly Bill Impact**

Year	<u>Annual ECCR Costs</u>	<u>Residential Customer</u>
	(\$)	\$/1,200 kWh/mo
<b>2025</b>	\$52,680,407	3.61
<b>2026</b>	\$52,770,274	3.62
<b>2027</b>	\$53,385,991	3.66
<b>2028</b>	\$53,731,781	3.68
<b>2029</b>	\$54,252,342	3.72
<b>2030</b>	\$55,388,147	3.80
<b>2031</b>	\$56,025,631	3.84
<b>2032</b>	\$56,971,498	3.91
<b>2033</b>	\$58,077,136	3.98
<b>2034</b>	\$58,985,926	4.04
<b>Total</b>	\$552,269,134	

Source: Document No. 10230-2024

### **Conclusion**

TECO's DSM Plan is consistent with the proposed programs used to establish its DSM goals and is projected to meet the annual numeric conservation goals approved by the Commission in the 2024 Goalsetting Order. TECO's proposed DSM Plan is overall cost-effective based upon the Participants, RIM, and TRC tests. In addition, Staff has reviewed TECO's administrative program standards and they appear to be consistent with the Utility's proposed DSM Plan submitted for approval by the Commission. Therefore, staff recommends that the Commission allow TECO to file for cost recovery of the programs included in its proposed DSM Plan in the ECCR proceeding. However, TECO must demonstrate that the expenditures to implement its DSM programs are reasonable and prudent in order to recover those expenditures. In addition, staff requests that TECO notify the Commission prior to modifying its DSM Plan or program standards.

**Issue 2:** Should this docket be closed?

**Recommendation:** Yes. If no person whose substantial interests are affected by the proposed agency action files a protest within 21 days of the issuance of the order, this docket should be closed upon the issuance of a consummating order. (Farooqi)

**Staff Analysis:** If no person whose substantial interests are affected by the proposed agency action files a protest within 21 days of the issuance of the order, this docket should be closed upon the issuance of a consummating order.

## **Tampa Electric Company Program Descriptions**

### **RESIDENTIAL PROGRAMS**

#### ***Residential Walk-Through Audit (Free Energy Check)***

This is a conservation program adopted by Florida under Chapter 366.82(5), Florida Statutes, and Rule 25-17.003 F.A.C. This program is offered to all residential customers and is designed to save demand and energy by increasing customer awareness of energy use in personal residences. Savings are dependent on the customer implementing energy saving recommendations

1. Identify, note and recommend those conservation measures and practices that apply to the specific residence.
2. Encourage customer participation in available conservation programs in which the specific residence and customer will benefit.
3. Identify and communicate to the customer identified no-cost, low-cost conservation measures and practices including those that have less than a two-year payback.

Audits are kept on file with the company for three years. There is no charge to the customer for the Residential Walk-Through Audit.

#### ***Residential Customer Assisted Energy Audit (Online)***

This is a conservation program designed to save demand and energy by increasing residential customer awareness of energy use in personal residences. This program allows for residential customers to engage in the energy audit either through a phone call or completing an online energy questionnaire. Savings are dependent on the customer implementing energy conservation measure and practice recommendations. Recommendations are standardized and include an estimated range of savings.

To access this free audit, customers can either call or go to Tampa Electric's internet site to link to the audit. Customers will answer questions about their home and energy usage. Personalized audit results are either emailed, provided by the phone team or immediately displayed on the customer's computer for review and implementation. The audit recommendations are based on the customers' answers to the questions and their actual energy consumption.

#### ***Residential Computer-Assisted Energy Audit (RCS – Paid Audit)***

This is a conservation program originally developed in response to the Energy Policy Act (1978) and adopted by Florida under Chapter 366.82(5), Florida Statutes, and Rule 25- 17.003, F.A.C. The program is designed to save demand and energy and is offered to all residential customers. Savings are achieved by increasing residential customer awareness of the energy use in personal residences. Savings are dependent on customers implementing conservation measures and practices. The audit is performed by a trained and certified residential analyst who collects

specific data about the structure of the home and the customer's energy usage patterns. Using Energy Gauge software, the analyst will simulate different conservation measures and practices on the customer's residence to identify potential savings that can be achieved.

Analysts identify, note and recommend only those conservation measures and practices that apply to the specific residence. The following information is then provided on the applicable conservation measures and practices:

1. Estimated cost for contractor installation
2. Estimated cost for do-it-yourself installation
3. Payback period for customer investment
4. Estimated first-year energy savings

Audit findings are kept on file with the utility for three years. The audit charge to the customer is \$15.00.

### ***Residential Ceiling Insulation***

The Residential Ceiling Insulation Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing ceiling insulation to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. Ceiling insulation is designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment. Qualifying residential structures are eligible for a rebate based upon the total square footage of insulation installed over conditioned space. Customers will receive a certificate that is used as partial payment for the ceiling insulation installed.

- The Residential Ceiling Insulation rebate is set at \$0.16 per square foot of qualifying insulation.

### ***Residential Duct Repair***

This program eliminates or reduces areas of HVAC air distribution losses by sealing and repairing the air distribution system (ADS). The ADS is defined as the air handler, air ducts, return plenums, supply plenums and any connecting structure. Customers call TECO to request appointments for duct repair and an HVAC contractor appointed by TECO will seal and repair all accessible components of the ADS in the residence. TECO's rebate is included in the payment to the participating contractor performing ADS repairs.

- The Residential Duct Repair rebate is set at \$270 per HVAC system that has its ADS repaired.



### ***Energy Education, Awareness, and Agency Outreach***

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

#### ***Energy and Renewable Education and Awareness***

This portion of the program is designed to establish opportunities for engaging groups of customers and students in energy-efficiency and renewable energy related discussions in an organized setting. Tampa Electric recognizes the importance of educating students and motivating customers through participation in its energy audits and raising awareness of energy conservation, energy efficiency and renewable energy efficiency. This program will provide the opportunity to accomplish these 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, investment type improvements with energy efficiency or renewable energy resources and rebates/incentives available which may help with these longer 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 a variety of 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.

- LEDs: This provides four LEDs 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.

Also, as part of energy education and awareness, this portion of the program will continue the 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 ("EV") training curriculum and educational materials 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.

### ***ENERGY STAR for New Multi-Family Residences***

The ENERGY STAR for New Multi-Family Residences Program is a residential new construction conservation program designed to reduce the growth of peak demand and energy in the residential new construction apartment and condominium residence market. The program utilizes a rebate to encourage the construction of new multi-family residences to meet the requirements to achieve the ENERGY STAR certified apartments and condominium label. By receiving this certificate, the new residence will use less energy and demand which will help reduce the growth of Tampa Electric's peak demand.

- The ENERGY STAR for Multi-Family Residences rebate is set at \$345 for a qualifying home receiving the ENERGY STAR Certificate.

### ***ENERGY STAR for New Homes***

The ENERGY STAR for New Homes Program is a residential new construction conservation program designed to reduce the growth of peak demand and energy in the residential new construction market. The program utilizes a rebate to encourage the construction of new homes to meet the requirements to achieve the ENERGY STAR certified new home label. By receiving

this certificate, the new home will use less energy and demand which will help reduce the growth of Tampa Electric's peak demand.

- The ENERGY STAR for New Homes rebate is set at \$425 for a qualifying home receiving the ENERGY STAR Certificate.

### ***ENERGY STAR Thermostats***

The ENERGY STAR Thermostats Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing an ENERGY STAR certified smart thermostat to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. Smart thermostats are designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment and providing energy usage information regarding the heating and cooling system's settings and usage. This program will rebate residential customers that install a qualifying thermostat.

- The ENERGY STAR Thermostats rebate is set at \$22 per qualifying ENERGY STAR thermostat installed.

### ***Residential Heating and Cooling***

The Residential Heating and Cooling Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing high efficiency heating and cooling systems to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. High efficiency heating and cooling systems require less demand and energy as compared to standard systems. This program will rebate residential customers that install a qualifying air conditioning system. The Residential Heating and Cooling rebate is two tiered:

- Rebate: Tier 1 - \$40 per qualifying unit that meets or exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building Code by 1 SEER level or by 1 SEER2 level.
- Rebate: Tier 2 - \$550 per qualifying unit that meets or exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building Code by 2 SEER levels or by 2 SEER2 levels.

Rebates tiers are not stackable.

### ***Neighborhood Weatherization***

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 to enroll for participation in the program at no cost.

Tampa Electric will deliver the following applicable measures

- Duct Repair: For dwellings with a ducted central HVAC system, this will provide repair of one run of the ADS towards qualification.
- Walk-Through Energy Audit
- 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.
- LEDs: This provides the resident with six LEDs to replace incandescent bulbs with similar lumen output.
- Hot Water Pipe Insulation: This allows for the installation of hot water insulation on un-insulated pipes.
- Water Heater Temperature Check Card 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

### ***Residential Price Responsive Load Management (Energy Planner)***

The company's program relies on a multi-tiered rate structure combined with price signals conveyed to participating customers during the day. This price information is designed to encourage customers to make behavioral or equipment usage changes to their energy consumption thereby achieving the desired high cost period load reduction to assist in meeting system peak.

Price information from the utility is used by the customer to program a "smart" thermostat into preset actions based on the level of pricing. Equipment may be turned on, turned off or changed to a different temperature setting automatically by the smart thermostat or manually by the customer through the smart thermostat in response to either the multi-tiered rates or critical price signals.

Tampa Electric will install a communication device along with a "smart" thermostat at the customer's home used to control the operation of selected appliances such as space heating, air conditioning, water heating, pool pumps, and Level 2 or greater EV chargers. Customers will be able to program the operation of this equipment and alter their energy consumption based the price tiers occurring at specific times of the day and year.

- The Energy Planner program incentive is approximately \$131/customer annually.

### ***Residential Prime Time Plus (Residential Load Management)***

Tampa Electric's "Prime Time Plus" is a residential load management program designed to alter the company's system load curve by reducing summer and winter demand peaks. Residential loads such as heating, air conditioning, water heaters, level 2 EV chargers, and pool pumps are controlled via the company's advanced metering infrastructure ("AMI"). In addition, the customer will receive a programmable "smart thermostat" and access to a mobile app. The mobile app and "smart thermostat" allow the customer to change thermostat settings from any mobile device. The program will leverage the company's AMI to provide the communication with the installed thermostat and customer selected appliances for load control.

Customers participating in Prime Time Plus will receive monthly incentive credits on their electric bill. Air conditioning, level 2 EV chargers, and pool pump appliances can be interrupted at any time but will not exceed 134 hours of control in a single year. Water heating appliances can be interrupted at any time and may exceed 134 hours a year if needed for frequency assistance for changes to the company's photovoltaic generation output.

The Residential Prime Time Plus program incentives are:

- \$12.00 per month for central heating and air conditioning control.
- \$6.00 per month for electric water heating control.
- \$3.00 per month for pool pump control.
- \$9.00 per month for Level 2 (or greater) EV Charger control.

***Renewable Energy Program (Sun to Go)***

This program provides customers with the option to purchase 200 kWh blocks of renewable energy for five dollars per block to assist in the delivery of renewable energy to the company's grid system. This specific effort provides funding for renewable energy procurement, program administration, evaluation and market research.

Renewable energy participants will be served from the existing electrical system. Renewable energy may not be delivered to the customer but will displace energy that would have otherwise been produced from traditional fossil fuels. Tampa Electric will report program progress through the annual ECCR True-up and Projection Filings

## **COMMERCIAL/INDUSTRIAL PROGRAMS**

### ***Commercial/Industrial Audit (Free)***

This is a conservation program designed to reduce demand and energy consumption of commercial/industrial facilities by increasing customer awareness of the energy use in their facilities. The savings are dependent upon the customer's implementation of conservation measures and practices recommended.

The audit is conducted by a trained and certified commercial energy analyst who will perform at a minimum the following:

1. Identify, note and recommend only those conservation measures and practices that apply to the specific commercial or industrial facility.
2. Encourage customer and organization participation in available conservation programs in which the specific commercial or industrial facility will benefit.
3. Energy usage profiling and benchmarking showing the historical energy usage and forecasted usage with no changes.
4. Identify and communicate to the customer identified no-cost, low-cost and capital cost conservation measures and practices including those that have less than a two-year payback.

Recommendations are tailored to the specific commercial or industrial facility based upon the replacement of less efficient equipment and systems or modifications to operations to enhance the customer's overall efficiency. Recommendations are primarily standardized and encourage the customer to implement measures that, if cost-effective, move the customer beyond the efficiency level typically installed in the marketplace.

### ***Comprehensive Commercial/Industrial Audit (Paid)***

This is a conservation program designed to reduce demand and energy consumption of commercial/industrial facilities by increasing customer awareness of the energy use in their facilities. The paid audit will involve monitoring specific equipment within a customer's facility to determine its electric usage with respect to the volume of use and time of operation. Based on the results, Tampa Electric will recommend conservation measure or practice changes to save energy and/or demand within the facility. The savings are dependent upon the customer's implementation of conservation measures and practices recommended.

The audit is conducted by a trained commercial energy analyst who will perform the following at a minimum:

1. Identify, note and recommend only those conservation measures and practices that apply to the specific commercial or industrial facility.
2. Encourage customer and organization participation in available conservation programs in which the specific commercial or industrial facility will benefit.

3. Energy usage profiling and benchmarking showing the historical energy usage and forecasted usage with no changes.
4. Set up energy and demand monitoring equipment on requested equipment.
5. Identify and communicate to the customer identified no-cost, low-cost and capital cost conservation measures and practices including those that have less than a two-year payback.
6. Provide a measurement and verification report showing the current usage and identifying the potential for energy and demand savings for the recommended conservation measures or practices recommended.

Recommendations are tailored to the specific commercial or industrial facility based upon the replacement of less efficient equipment and systems or modifications to operations to enhance the customer's overall efficiency. Recommendations are primarily standardized and encourage the customer to implement measures that, if cost-effective, move the customer beyond the efficiency level typically installed in the marketplace.

### ***Cogeneration***

Tampa Electric's Cogeneration program is administered by a professional team experienced in working with cogenerators. The group manages functions related to coordination with Qualifying Facilities ("QFs") including negotiations, agreements and informational requests; functions related to governmental, regulatory and legislative bodies; research, development, data acquisition and analysis; economic evaluations of existing and proposed QFs as well as the preparation of Tampa Electric's Annual Twenty-Year Cogeneration Forecast.

The Cogeneration team leads Tampa Electric's involvement with prospective cogeneration projects that may be developed within the company's retail service area. This involvement includes developing and providing interconnection cost estimates, determining appropriate relaying schemes, establishing operation and maintenance procedures and negotiating purchase power and transmission service agreement when appropriate.

A detailed description of the activities conducted under the Cogeneration program is listed below.

- Plan, develop and assist in administering and implementing corporate and Florida Public Service Commission (FPSC) policies and regulations in areas related to cogeneration activities.
- Provide consultation, data and other specific information daily to cogeneration customers, consultants, industry executives, FPSC and other governmental agencies, developers, other utilities and various media publications regarding cogeneration policies, FPSC rules, avoided cost rates and other related criteria.
- Prepare testimony and represent Tampa Electric at hearings, rulemaking and workshop sessions, and specific tariff activities before the FPSC and other governmental agencies.



- Conduct research and development, data acquisition and economic analyses that provide reliable criteria upon which to evaluate the feasibility of cogeneration and small power production facilities.
- Prepare and issue monthly correspondence to cogeneration customers which includes a payment statement, hour-by-hour energy payment rates for preliminary and final energy payments, identification of hourly differences between preliminary and final energy payments and early capacity payment accrual accounts.
- Obtain appropriate initial and subsequent renewal Certificates of Insurance for each cogeneration customer interconnected with Tampa Electric and for each cogeneration customer under contract with the company, sufficient to cover the customer's liability with the company.
- Prepare monthly and quarterly reports of cogeneration activities, avoided costs, etc., for submittal to the FPSC.
- Review monthly O&M bills for a customer's substation and transmission interconnections with the company.
- Determine if each customer's monthly contract standby demand level remains appropriate, and when ratcheted, the new level does not exceed the customer's generator capacity.
- Direct communications and develop the negotiations and final contractual language for interconnection, operating and transmission service agreements with cogeneration and small power production facilities.
- Assist the company's engineering and maintenance personnel with cogeneration maintenance procedures and cost estimates.
- Coordinate all cogeneration-related activities with other company departments.
- Develop the company's forecast of annual sales to cogeneration customers.
- Serve as a resource for budgeting non-fuel revenues from cogeneration customers for transmission service transactions, O&M on interconnected facilities and standby service from the company.
- Prepare and distribute the company's Twenty-Year Cogeneration Forecast

### ***Commercial / Industrial Custom Energy Efficiency***

The Commercial / Industrial Custom Energy Efficiency (formerly Conservation Value) Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. This rebate program is designed to recognize those investments in demand shifting or demand reduction measures that reduce Tampa Electric's peak demand. Measures funded in this program will not be covered under any other Tampa Electric commercial/industrial conservation programs. Candidates are identified through energy audits or

their engineering consultants can submit proposals for funding which offer demand and energy reduction during weather sensitive peak periods helping reduce Tampa Electric's peak demand.

- The Commercial / Industrial Custom Energy Efficiency Program rebate value requires the cost-effectiveness to be calculated using the same inputs that establish the program at DSM goal setting to establish the rebate at the level of a two-year simple payback, or a RIM score of 1.01, whichever is more restrictive.

### ***Demand Response***

Tampa Electric's Commercial Demand Response is a conservation and load management program intended to help alter the company's system load curve by reducing summer and winter demand peaks. The company will contract for a turn-key program that will incent commercial/industrial customers to reduce their demand for electricity in response to market signals. Energy and demand reductions will be achieved through a mix of emergency backup generation, energy management systems, raising cooling set-points and turning off or dimming lights, signage, etc.

Tampa Electric will contract with a demand response vendor on an as needed basis for additional MW of load reduction. The vendor will market the program to potential customers and secure participants. In addition, the vendor will audit the customer's facility to identify equipment to be utilized in demand reduction, install automated controls and provide participant with load tracking software for the customer's use. The vendor will pay customers on a dollar per kW – month basis.

### ***Industrial Load Management (GSLM 2&3)***

The Industrial Load Management Program is a load management program for large industrial customers with interruptible loads of 500 kW or greater. The program was approved by the FPSC in Docket No. 990037-EI, FPSC Order No. PSC-99-1778-FOF-EI, issued September 10, 1999. Assessments for customer participation are conducted every six months.

### ***Lighting Conditioned Space***

The Lighting Conditioned Space Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient lighting technology and systems within conditioned space to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying conditioned space lighting system.

- The Lighting Conditioned Space rebate is \$0.400 per Watt reduction.

### ***Lighting Non-Conditioned Space***

The Lighting Non-Conditioned Space Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient outdoor lighting technology and systems or in non-conditioned spaces to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying non-conditioned spaces lighting systems.

- The Lighting Non-Conditioned Space rebate is \$0.350 per Watt reduction.

### ***Lighting Occupancy Sensors***

The Lighting Occupancy Sensors Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing lighting occupancy sensors to efficiently control lighting systems to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying occupancy sensors for lighting systems.

- The Occupancy Sensor rebate is \$26 per kW of lighting controlled up to but not to exceed 50 percent of purchase price.

### ***Commercial Load Management (GSLM 1)***

The Commercial Load Management Program is intended to help alter Tampa Electric's system load curve by reducing summer and winter demand peaks. The goal is to offer customer incentives for allowing the installation and control of load management control equipment on specific technologies to reduce Tampa Electric's weather sensitive peak demand. Customers that participate in this program choose whether to have the technology controlled either interrupted for the entire control period or cycled during the control period. Tampa Electric will provide a monthly incentive credit to customers participating in this program.

- Incentive: Cyclic control receives \$5.00 per kW demand reduction per month during the summer; extended control receives \$5.50 per kW demand reduction per month annually. Both incentives are applied to the customer's monthly bill.
- Incentive: \$265 recurring annual average per cyclic participant
- Incentive: \$3,776 recurring annual average per extended participant.

### ***Standby Generator***

The Standby Generator Program is designed to utilize the emergency generation capacity of commercial/industrial facilities in order to reduce weather sensitive peak demand. Tampa Electric provides the participating customers a 30-minute notice that their generation will be required. This allows customers time to start generators and arrange for orderly transfer of load. Tampa Electric meters and issues monthly credits for that portion of the generator's output that could serve normal building load after the notification time. Normal building load is defined as load (type, amount and time duration) that would have been served by Tampa Electric if the emergency generator did not operate. Under no circumstances will the generator deliver power to Tampa Electric's grid. Under the Environmental Protection Agency's rules, Tampa Electric classifies the Standby Generator Program as a non-emergency program.

- The Standby Generator rebate is \$39,107 annually based upon \$6.15 per qualifying kW transferred.

### ***VFD and Motor Controls***

The Variable Frequency Drive and Motor Controls Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing variable frequency drives to their new or existing cooling units, chiller systems, HVAC pumps, refrigeration systems, compressed air systems, variable air volume systems, demand circulating systems, escalator motors, or high efficiency exhaust hoods to help reduce their demand while reducing Tampa Electric's weather sensitive peak demand. Tampa Electric will provide a rebate to customers who install a qualifying variable frequency drive.

- The VFD and Motor Controls rebate is \$75 per compressor-controlled Horse Power ("HP").

### ***Commercial Heat Pump Water Heater and Drain Heat Recovery***

The Commercial Heat Pump Water Heater and Drain Heat Recovery Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient water heating and drain heat recovery systems to help reduce their energy consumption and demand and to reduce Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying water heating systems.

- The Commercial Heat Pump Water Heater and Drain Heat Recovery rebate is \$0.10 per Btu of qualifying water heating or drain heat recovery equipment up to 50 percent of the cost of the equipment.

## **Research and Development**

### ***Conservation Research and Development (R&D)***

This program is in response to Rule 25-17.001 (5) (f), F.A.C., that requires aggressive R&D projects be "...an ongoing part of the practice of every well managed utility's programs." It is also in support of FPSC Order No. 22176 dated November 14, 1989, requiring utilities to "...pursue research, development, and demonstration projects designed to promote energy efficiency and conservation." R&D activity will be conducted on proposed measures to determine the impact to the company and its ratepayers and may occur at customer premises, Tampa Electric facilities or at independent test sites. Tampa Electric will report program progress through the annual ECCR True-Up filing. Program costs are estimated at \$400,000 per year for a five-year period. Expenses for a given year may exceed \$400,000; however, total program cost shall not exceed \$2,000,000 for the five-year period.



# **Tampa Electric Company**

**Program Standards**

**Ten-Year DSM Plan**

**2025-2034**

**December 13, 2024**

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**Program: Residential Walk-Through Audit (Free Energy Check)**

**Program Participation Standards**

1. Participation is available to any residential customer located within Tampa Electric's service area.
2. Program requirements for participation follow guidelines set by Rule 25-17.003, F.A.C.
3. When applicable, customers are qualified for participation in other Tampa Electric conservation programs.
4. There is no payment processing with this program.
5. There are no technical specifications on equipment eligibility with this program.
6. 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.



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**Program: Residential Customer Assisted Energy Audit**

**Program Participation Standards**

1. Participation is available to any residential customer located within Tampa Electric's service area.
2. This audit will be offered to customers in response to a request for the service; however, it will not be offered in lieu of or used as a prerequisite for on-site audits.
3. There is no payment processing with this program.
4. There are no technical specifications on equipment eligibility with this program.
5. 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.

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**Program: Residential Computer-Assisted Energy Audit ("RCS")**

**Program Participation Standards**

1. Participation is available to any residential customer located within Tampa Electric's service area.
2. Program requirements for participation follow guidelines set by Rule 25-17.003, F.A.C.
3. In accordance with Tampa Electric's tariff, the customer is charged \$15.00 for this audit.
4. When applicable, customers are qualified for participation in other Tampa Electric conservation programs.
5. There is no payment processing with this program.
6. There are no technical specifications on equipment eligibility with this program.
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.

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**Program: Residential Ceiling Insulation**

**Program Participation Standards**

1. Participation is available to any existing residential customer located within Tampa Electric's service area.
2. Rebate paid is \$0.16 per square foot of installed qualifying insulation. Total rebate is based on the total square footage of qualifying insulation installed over conditioned space and may be stacked in increments of R-11.
3. Residence must have electric whole-house air conditioning or heating.
4. Customers must add a minimum insulation value of R-11 based on the manufacturer's specification card.
5. Insulation certificates will be issued through either energy audits or by direct verification of existing levels of insulation. The insulation certificate will be valid for 1 year from the date of issuance. Missing or lost certificates can be reissued and will be valid according to date of the original certificate.
6. The participating contractor will subtract the incentive to be paid by Tampa Electric from the customer's cost of installation.
7. In the event the contractor finds the accessible attic area requiring insulation to differ from that on the issued certificate and the difference would result in a change to the qualifying incentive amount, the contractor is required to provide a detailed explanation to Tampa Electric for this difference.
8. For homeowner installations, it is the homeowner's responsibility to ensure that the installation meets the product manufacturer's specifications, and to ensure that the resulting R-value meets all Tampa Electric specifications.
9. No payment shall be made by Tampa Electric until:
  - Customer or contractor submits a complete and correct insulation certificate and application to Tampa Electric.
  - Installation has passed Tampa Electric's verification process.
10. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of participating homes. Forms not selected for field verification will have an office verification to validate information.
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 and Projection Filings.

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**Program: Residential Duct Repair**

**Program Participation Standards**

1. Participation is available to any existing residential customer located within Tampa Electric's service area and the home was constructed and received its certificate of occupancy prior to March 15, 2012. Homes constructed after this date are ineligible for this program.
2. This program is managed through a negotiated agreement between Tampa Electric and participating contractors for typical duct repairs.
3. Typical duct repairs are defined as labor and materials necessary to seal Air Distribution Systems ("ADS") to program standards and do not exceed one sheet of duct board.
4. Customers will pay no more than \$125 per ADS for a standard repair under this program. Any non-standard repair costs will be negotiated between the participating customer and the contractor governed by the agreement between Tampa Electric and contractor.
5. 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.
6. ADS certificates will be issued through either energy audits or by direct verification of existing ADS. The ADS certificate will be valid for 1 year from the date of issuance. Missing or lost certificates can be reissued and will be valid according to date of the original certificate.
7. 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.
8. Residences that have participated in Tampa Electric's duct repair programs or new construction programs where the rebate paid included sealing the ADS are not eligible.
9. Tampa Electric will appoint a participating licensed HVAC contractor to seal and repair existing ADS. HVAC contractor will seal and repair all accessible components of the ADS in the residence.
10. 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

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seams in the ADS.

11. No payment shall be made by Tampa Electric until:
  - Contractor submits a complete and correct invoice for repairs with correct ADS certificate to Tampa Electric.
  - Installation has passed Tampa Electric's verification process.
12. 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.
13. There are no technical specifications on equipment eligibility with this program.
14. 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.

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**Program: Energy and Renewable 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, renewable 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 and information that supports renewable energy awareness.
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 participate 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 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 and Renewable Education, Awareness and Agency Outreach.
    - Neighborhood Weatherization.

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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:
  - a. Complete the application.
  - b. Agree that the electric vehicles provided will be used solely for the driver's education program.
  - c. Agree that the school is responsible for the maintenance, operations and insurance of vehicles and the energy used to charge the vehicles.
  - d. Offer driver's education program curriculum during each semester or quarter the school is in session.
  - e. Agree to allow Tampa Electric to install or have charging stations installed on school premises and permit access to charging equipment for periodic inspections and maintenance by Tampa Electric personnel or its designated contractor.
  - f. Agree to allow Tampa Electric to install a recording meter or individual sub-meters on the charging equipment.
  - g. Make space available for an energy education kiosk on campus for energy efficiency and petroleum fuels conservation material.
  - h. 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.

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**Program: ENERGY STAR for New Multi-Family Residences**

**Program Participation Standards**

1. Participation is available to any new multi-family residence located in Tampa Electric's service area. All individual homes within the same facility and each individual home or unit must receive the certificate to qualify.
2. Rebate: \$345 for a qualifying multi-family residence or unit receiving the ENERGY STAR Certificate.
3. The participant must be willing to provide accessibility for a walk through of the home to verify program standards.
4. The builder will be responsible for the installation of qualifying equipment or measures as well as the correction of any items necessary to meet the program standards.
5. No payment shall be made by Tampa Electric until:
  - A complete and correct application has been submitted to Tampa Electric within 90 days of receiving the ENERGY STAR Certificate
  - A copy of the actual ENERGY STAR Certificate for each multi-family residences or unit
  - A certified document showing that all the multi-family residences or units within the same facility qualify
  - Installation has passed Tampa Electric's verification process
6. Tampa Electric will randomly perform field verification on a minimum of 10 percent of the participating multi-family homes or units. Forms not selected for field review 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.



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**Program: ENERGY STAR for New Homes**

**Program Participation Standards**

1. Participation is available to any new residence located in Tampa Electric's service area. The home must receive the certificate to qualify.
2. Rebate: \$425 for a qualifying home receiving the ENERGY STAR Certificate.
3. The participant must be willing to provide accessibility for a walk through of the home to verify program standards.
4. The builder will be responsible for the installation of qualifying equipment or measures as well as the correction of any items necessary to meet the program standards.
5. No payment shall be made by Tampa Electric until:
  - A complete and correct application has been submitted to Tampa Electric within 90 days of receiving the ENERGY STAR Certificate.
  - A copy of the actual ENERGY STAR Certificate.
  - Installation has passed Tampa Electric's verification process.
6. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating homes. Forms not selected for field verification will have an office verification to validate information.
8. 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.

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**Program: ENERGY STAR Smart Thermostats**

**Program Participation Standards**

1. Participation is available to any existing residential customer located within Tampa Electric's service area.
2. Rebate: up to \$22 per qualifying ENERGY STAR thermostat installed.
3. The qualifying smart thermostats shall be:
  - ENERGY STAR certified
  - New
  - Used or refurbished thermostats are not eligible
  - Commercial customers are not eligible for this program
4. The qualifying air conditioning systems that meet the requirements of the Smart Thermostat Program are:
  - Heat pumps: Split system / Package system
  - A geothermal system
  - A straight cool system with natural gas heating only
  - Window units and mini-split systems are not eligible
5. No payment shall be made by Tampa Electric until:
  - A complete and correct application has been submitted to Tampa Electric within 90 days of installation date.
  - Certification that installed equipment meets program standards.
  - Installation has passed Tampa Electric's verification process.
6. Tampa Electric will randomly perform field or virtual verifications on a minimum of 10 percent of the participating residences. Forms 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.

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**Program: Residential Heating and Cooling**

**Program Participation Standards**

1. Participation is available to any existing residential customer located within Tampa Electric's service area.
2. Rebate: Tier 1 - \$40 per qualifying unit that meets or exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building Code by 1 SEER level or by 1 SEER2 level.  
  
Tier 2 - \$550 per qualifying unit that meets or exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building Code by 2 SEER levels or by 2 SEER2 levels.  
  
Rebate tiers are not stackable.
3. The qualifying air conditioning systems that meet the requirements of the Heating and Cooling Program are:
  - a. Heat pumps with an ARI SEER rating that exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building code, whichever is higher by equal to or greater than 1.00 for Tier 1, or greater than or equal to 2.00 for Tier 2.
  - b. A geothermal system with an ARI SEER rating that exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building code, whichever is higher by equal to or greater than 1.00 for Tier 1, or greater than or equal to 2.00 for Tier 2 utilizing an EER conversion of 0.8.
  - c. A straight cool system with natural gas heating only with an ARI SEER rating that exceeds the current DOE energy conservation standard for residential central air conditioners and heat pumps or Florida Building code, whichever is higher by equal to or greater than 1.00 for Tier 1, or greater than or equal to 2.00 for Tier 2.
4. Oil or electric resistance heat cannot be the primary heat source.
5. For a heat pump, the supplemental strip heating physically contained in the system shall be in accordance with the following nominal tonnage:
  - Up to 2.5 tons HVAC units: up to 5.0 kW.
  - 3 through 4.5 tons, HVAC units: up to 8.0 kW.
  - 5 ton HVAC units: up to 10 kW.
6. No payment shall be made by Tampa Electric until:
  - A complete and correct application has been submitted to Tampa Electric within 90 days of installation date.

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- HVAC contractor certification that installed equipment meets program standards.
  - Installation has passed Tampa Electric's verification process.
7. Tampa Electric will randomly perform field or virtual verifications on a minimum of 10 percent of the participating residences. Forms not selected for field or virtual verification will have an office verification to validate information.
  8. 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.

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**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.
  - Residential Walk-Through Audit (Free Energy Check)
  - 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, including repairing up to one damaged duct run. 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:
    - Six light emitting diode (LED) 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").

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- 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.
  - 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 and Renewable 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.
6. 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.

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**Program: Price Responsive Load Management (Energy Planner)**

**Program Participation Standards**

1. Applicable to any residential customer located in Tampa Electric's service area. Customers must sign applicable tariff agreement.
2. Customers participating on Tampa Electric's Net Metering program or Residential Prime Time Plus may not participate in Energy Planner.
3. Customers who opt out of an AMI meter do not qualify.
4. Residence must have a central heating and cooling system. Window units are not eligible.
5. Residence must be capable of meeting communication strength standards for energy management equipment and compatible with the company's communication technology protocol.
6. Electric water heaters, pool pumps or other devices controlled by equipment provided through the program must be no larger than 30 amps and 240 volts and must be compatible with the program management equipment.
7. Level 2 electric vehicle chargers controlled by equipment provided through the program must be between greater than 30 but less than 50 amps and 240 volts.
8. Existing metering equipment must be compatible with the program management equipment.
9. Summer rate period – May 1 through October 31.
10. Summer rate tiers will occur during the following times.

Week days	P 1	11 P.M. to 6 A.M.
	P 2	6 A.M. to 1 P.M.
		6 P.M. to 11 P.M.
	P 3	1 P.M. to 6 P.M.
Weekends	P 1	11 P.M. to 6 A.M.
	P 2	6 A.M. to 11 P.M.
11. Winter rate period – November 1 through April 30.
12. Winter rate tiers will occur during the following times.

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- |           |     |                    |
|-----------|-----|--------------------|
| Week days | P 1 | 11 P.M. to 5 A.M.  |
|           | P 2 | 5 A.M. to 6 A.M.   |
|           |     | 10 A.M. to 11 P.M. |
|           | P 3 | 6 A.M. to 10 A.M.  |
| Weekends  | P 1 | 11 P.M. to 6 A.M.  |
|           | P 2 | 6 A.M. to 11 P.M.  |
13. The pricing period for the following observed holidays will be the same as the weekend hour price levels: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.
  14. Critical price period (P 4) can occur at any time but will be limited to 1.5 percent of the year.
  15. There are no customer participation fees for this program.
  16. 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.



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**Program: Residential Prime Time Plus**

**Program Participation Standards**

1. Applicable to any residential customer located in Tampa Electric's service area. Customers participating on the Residential Price Responsive Load Management (Energy Planner) Program may not participate.
2. Customers who opt out of an AMI meter may not participate.
3. Customer owned equipment must be in proper operating order and compatible with the company's communication technology protocol.
4. Qualifying equipment includes:
  - Electric Water Heater
  - Central Air Conditioning
  - Central Heating/Heat Pump
  - Swimming Pool Pump
  - Level 2 Electric Vehicle Chargers
5. Electric water heaters and pool pumps controlled by equipment provided through the program must be no larger than 30 amps and 240 volts.
6. Level 2 electric vehicle chargers controlled by equipment provided through the program must be between greater than 30 but less than 50 amps and 240 volts.
7. Level 1 electric vehicle chargers (120V) do not qualify.
8. Residence must be capable of meeting communication strength standards for energy management communications and/or energy management equipment.
9. Tampa Electric will install energy management equipment at customer electric water heaters, pool pumps, and level 2 electric vehicle chargers to communicate demand response signals.
10. A Tampa Electric owned thermostat will be installed for central heating and cooling participation and must be compatible with the customer's unit.
11. Customer will be provided a secure portal to program to provide the ability to monitor thermostat operations.
12. Incentives will be applied as follows and per unit. Any combination of customer owned qualifying appliances listed below may be selected.
  - Electric Water Heater – \$ 6.00

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- Central Air Conditioning – \$ 12.00
  - Central Heating/Heat Pump – \$ 12.00
  - Swimming Pool Pump – \$ 3.00
  - Level 2 Electric Vehicle Charger – \$9.00
13. Summer incentives will be applied May-October; Winter incentives will be applied November-April.
    - Electric Water Heater will receive incentives year-round
    - Central Air Conditioning will receive incentives May-October
    - Central Heating/Heat Pump will receive incentives November-April
    - Swimming Pool Pumps will receive incentives year-round
    - Level 2 Electric Vehicle Charger will receive incentives year-round
  14. Customer requests to opt out of a load control event will be initiated by the customer calling customer program support. One opt-out per control event per season will be permitted. Opt-outs in excess of that will result in the customer forfeiting the monthly incentive until the next participation in a control or for the remainder of the current season, whichever is shorter.
  15. Incentives will commence once the equipment is installed.
  16. Customers must consume a minimum of 400 kWh in a given month to receive the incentives for that month.
  17. Control events for participating appliances could occur at any time due to emergencies on the Company's system, other requests for emergency power, or for economic dispatch.
  18. Multiple control events could occur in the same day; however, the total duration will not exceed eight hours for Central Air Conditioning, Central Heating/Heat Pump or Swimming Pool Pumps. Electric Water Heater control frequency and duration is unlimited to support solar generation frequency control.
  19. Annual control hours will not exceed 134; excluding electric water heaters.
  20. There are no customer participation fees for this program.
  21. Customer requests to be removed from the program will result in suspension of incentives. Customers are required to grant Tampa Electric access within 60 days to remove Company owned equipment from the residence.

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22. Customers who request to be removed from the program are not eligible to resume participation at the same residence for a year.
23. Customers are required to notify Tampa Electric company if participating appliances are in disrepair or are replaced. The Customer is required to grant Tampa Electric access within 30 days to either remove Company owned equipment from the residence or reconnect the new appliance to the energy management equipment.
24. Customers must provide access to Tampa Electric owned equipment for inspections and/or replacement. Failure to provide access will result in suspension from the program and corresponding incentives will cease.
25. 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.

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**Program: Commercial/Industrial Audit (Free)**

**Program Participation Standards**

1. Participation is available to any commercial/industrial customer located within Tampa Electric's service area.
2. Program requirements for participation follow guidelines set by Rule 25-17.003, F.A.C.
3. When applicable, customers are qualified for participation in other Tampa Electric conservation programs.
4. There is no payment processing with this program.
5. There are no technical specifications on equipment eligibility with this program.
6. 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.

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**Program: Comprehensive Commercial/Industrial Audit (Paid)**

**Program Participation Standards:**

1. Participation is available to any commercial/industrial customer located within Tampa Electric's service area.
2. Program requirements for participation follow guidelines set by Rule 25-17.003, F.A.C.
3. When applicable, customers are qualified for participation in other Tampa Electric conservation programs.
4. The customer charge per audit is as follows:
  - \$15.00 for customers on Rate Schedules GS or GST.
  - \$45.00 for customers on Rate Schedules GSD, GSDD, SBF, SBFT, IS, IST and SBI whose monthly demands are less than 1,000 kW.
  - \$75.00 for customers on Rate Schedules GSD, GSDD, SBF, SBFT, IS, IST and SBI whose monthly demands are 1,000 kW or higher.
5. Additional charges may apply for the following reasons:
  - Monitoring and verification analysis.
  - Time and depth of monitoring.
  - Level of expertise provided by analyst.
6. Recommendations may be made as a result of these audits that will require additional analysis and evaluation. When this occurs, the customer should contact an outside consultant or contractor for further study. If the customer requests Tampa Electric to perform the additional evaluation, the customer will be notified of the incremental testing costs and agree to the procedure and expense before testing begins.
7. Upon completion of the audit, the customer is provided a copy of the audit and an audit invoice or, upon request, key management personnel are presented with the results of the audit.
8. There is no payment processing with this program.
9. There are no technical specifications on equipment eligibility with this program.
10. 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.

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**Program: Commercial / Industrial Custom Energy Efficiency**

**Program Participation Standards**

1. Participation is available to commercial/industrial customers located in Tampa Electric's service area.
2. Tampa Electric will determine rebate qualification and amount by using the FPSC cost-effectiveness RIM and PCT tests as described in Rule 25-17.008, F.A.C. The cost-effectiveness tests will be performed using the same inputs that establishes the program in during the DSM goals setting. The rebate amount will be set at the level of a two-year simple payback or a RIM score of 1.01, whichever is more restrictive.
3. Customer's simple payback period, including rebates, shall not be less than two years. In the event the level of rebate determined would reduce the simple payback of the project to less than two years, the level of rebate will be adjusted so that the simple payback of the project with the rebate applied is 2.00 years. At no time will a rebate be paid if the project by itself has a simple payback of less than two years. Demand reduction will be calculated based on Tampa Electric's system peaks for winter and/or summer. Summer peak is identified as August at 5:00 PM Monday through Friday. Winter peak is identified as January at 7:00 A.M. Monday through Friday.
4. A minimum of one kW summer and/or winter demand reduction is required.
5. Measure eligibility:
  - a. Eligible Measures: Most commercially available and accepted demand reduction technologies are eligible for consideration including, but not limited to, reflective roof treatment, duct sealing, air sealing, refrigeration measures, non-conventional cooling systems, and other measures not covered by any other Tampa Electric approved conservation program.
  - b. Measure eligibility will be determined based on a project evaluation by Tampa Electric's Commercial Energy Analyst
  - c. Ineligible Measures: This would include measures potentially in conflict with environmental regulations (CFCs, water conservation, indoor air quality, paint on roof products), on-site generation, emergency generation and cogeneration. If a measure qualifies for two rebates and/or incentives (Tampa Electric and another utility company), Tampa Electric will not pay its rebate so that a double payment is avoided. Additionally, customers that make operational (behavioral) modifications are not eligible.
  - d. Any measure undergoing R&D evaluations is not eligible.
6. Measures must comply with all applicable codes.

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7. The baseline for measure evaluation will be the existing equipment efficiency unless the measure is covered by a minimum product standard or code for efficiency.
8. For Tampa Electric to consider measures for potential program participation, the customer must submit their proposal along with a project specification and/or preliminary engineering analysis with relevant demand and energy calculations prior to the purchase of the measure or any equipment necessary for the measure for operation. The engineering analysis may require a professional seal. Additional documentation or data may be requested if needed.
9. Measures producing a demand reduction of equal to or less than 50 kW will be issued a rebate after field verification.
10. Measures producing a demand reduction greater than 50 kW which have demonstrated 90 days of successful continued operation will receive 50 percent of the calculated rebate amount after field verification. The remaining rebate will be dispensed at the end of one year following final field verification for successful operation. The total amount of rebate determined may be adjusted based upon the actual performance of the measure.
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 and Projection Filings.

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**Program: Demand Response**

**Program Participation Standards**

1. Participation is available to firm commercial/industrial customers located in Tampa Electric's service area.
2. The customer incentive will be paid by Tampa Electric's vendor facilitating the program and be based on the monthly kW load reduction available at the customer's facility.
3. Participant must not be on any other Tampa Electric load control program.
4. Participant must provide a minimum of 25 kW of transferable load, aggregation of load from more than one facility is not eligible to meet this minimum transferable load threshold.
5. Generator installation and operation must comply with all applicable regulations, including air emission guidelines and EPA's rules.
6. Facilities that opt out of having an AMI meter are not eligible for participation.
7. Participant will sign an agreement with vendor to participate in the program.
8. Depending on customer metering, pulse initiated metering may be necessary at the customer facility.
9. Tampa Electric will perform field verifications on all installations.
10. 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.



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**Program: Industrial Load Management (GSLM 2&3)**

**Program Participation Standards**

1. Participation is available to commercial/industrial customers located in Tampa Electric's service area with interruptible loads of 500 kW or greater and who sign a tariff agreement for the Purchase of Industrial Load Management or the Purchase of Industrial Standby and Supplemental Load Management Service.
2. Additional monthly customer charge is \$200.00.
3. The initial term of service shall be 36 months. The term shall be automatically extended after the end of the initial term subject to notice requirements. In addition to committing to take service for an initial term of 36 months, the customer is required to give the company prior written notice of desire to cease service under this program of at least 36 months. Such notice shall be irrevocable unless the company and the customer should mutually agree to void the notice.
4. Customers served under this program may elect to have Tampa Electric minimize interruption through purchases of energy through the procedure described below. Such election must be made in writing to the Company and shall remain in effect until such time that the Company is notified in writing that the customer no longer desires that such procedure be employed by the Company.
  - a. During periods when the Company would otherwise interrupt customers served under this program, the Company will attempt to purchase sufficient energy from other systems to prevent, in whole or in part, such interruptions. The customer agrees that whenever the Company is successful in making such purchases, the customer will pay as part of its monthly service bill, and extra per kilowatt-hour for each kilowatt-hour consumed during the time of such purchase. The extra charge per kilowatt-hour shall be the amount per kilowatt-hour paid to the outside source less the amount per kilowatt-hour otherwise billed under this program, plus 3 mills (\$0.003) per kilowatt-hour.
5. The Contracted Credit Value ("CCV") paid for this service shall be established every year and identified in the company's annual ECCR Projection Filing.
6. The Initial Term of service for this program is 36 months and the CCV lock in period is 72 months. When the customer's Initial Term of service runs out, that customer may commit to a new term of service of 36 months and their then current CCV will continue for the next 36 month term for a total application of that CCV of 72 months. At the end of 72 months, that customer

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may commit to another new term of service for 36 months and if so their new CCV shall be established at the level of the one on file at that time at the FPSC and will remain in effect for next 72 months, should they elect after 36 months for another new term of service. At any time, at the customer's discretion, the customer may request establishing a new CCV for their service and the CCV applied will be the one then on file at the FPSC. As a result of any such request, the new 72 month CCV will be applied along with a new term of service for 36 months that shall be established for that customer.

7. Tampa Electric will perform field verifications on all installations.
8. 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.

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**Program: Lighting Conditioned Space**

**Program Participation Standards**

1. Participation is available to existing commercial/industrial customers located in Tampa Electric's service area.
2. The rebate is eligible for existing lighting systems being retrofitted or upgraded to a more energy efficient lighting system. The new lighting system must be LED. New construction lighting systems are not eligible for this rebate.
3. Existing T12 fixtures will be rebated based off of an equivalent T8 wattage, which will be evaluated and approved by a Commercial Analyst.
4. Retrofit upgrades to LED within refrigerated display cases are eligible.
5. Retrofit upgrades shall be permanent and direct wired installations. Standalone lamp replacements do not qualify.
6. Lighting system enhancements that provide energy savings solely due to behavior or operating hour changes are not eligible for this rebate.
7. Lighting systems that provide energy savings from add-on enhancement are not eligible for this rebate.
8. De-lamping is eligible for this rebate provided all of the following conditions are met:
  - a. The lighting levels recommended by the Illuminating Engineering Society of North America ("IESNA") for that space type must be met.
  - b. The post-retrofit lighting levels as measured at the working surface by a footcandle meter must be equal to or greater than the pre-retrofit lighting levels.
  - c. All unused fixtures, lamp holders and ballasts must be removed from the space.
9. Rebate: \$0.400 per Watt reduction up to 50 percent of the project cost.
10. All lighting retrofit projects are subject to evaluation and approval by Tampa Electric prior to any rebate payment. A pre-approval certificate is issued by a Tampa Electric Representative. The application and pre-approval certificate will be valid for one year from the date of issuance. Missing or lost certificates can be reissued and will be valid according to the date of the original certificate.
11. No payment shall be made by Tampa Electric until:

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- a. Pre-verification has been performed and approved by Tampa Electric.
  - b. Contractor or customer submits a complete and correct application to Tampa Electric.
  - c. Application must include:
    - Signature of customer certifying installed equipment meets program standards.
    - Purchase receipt(s) and invoice(s) with itemized inventory of installed equipment detailing, equipment purchased, purchase price, date of purchase, quantity of equipment purchased.
  - d. Installation has passed Tampa Electric's verification process.
12. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating customers. Applications not selected for field verification will have an office verification to validate information.
13. 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.

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**Program: Lighting Non-Conditioned Space**

**Program Participation Standards**

1. Participation is available to existing commercial/industrial customers located in Tampa Electric's service area.
2. The rebate is eligible for existing lighting systems being retrofitted or upgraded to a more energy efficient lighting system. The new lighting system must be LED. New construction lighting systems are not eligible for this rebate.
3. Upgrading T12 lighting systems, de-lamping, stadium lighting, sports field lighting, flagpole, signage and landscape lighting are not eligible for this rebate.
4. Retrofit upgrades shall be permanent and direct wired installations. Standalone lamp replacements do not qualify.
5. Lighting system enhancements that provide energy savings solely due to behavior or operating hour changes are not eligible for this rebate.
6. Lighting systems that provide energy savings from add-on enhancement are not eligible for this rebate.
7. Rebate: \$0.350 per Watt reduction up to 50 percent of the project cost.
8. All lighting retrofit projects are subject to evaluation and approval by Tampa Electric prior to any rebate payment. A pre-approval certificate is issued by a Tampa Electric Representative. The application and pre-approval certificate will be valid for one year from the date of issuance. Missing or lost certificates can be reissued and will be valid according to the date of the original certificate.
9. No payment shall be made by Tampa Electric until:
  - a. Pre-verification has been performed and approved by Tampa Electric.
  - b. Contractor or customer submits a complete and correct application to Tampa Electric.
  - c. Application must include:
    - Signature of customer certifying installed equipment meets program standards.
    - Purchase receipt(s) and invoice(s) with itemized inventory of installed equipment detailing, equipment purchased, purchase price, date of purchase, quantity of equipment purchased.
  - d. Installation has passed Tampa Electric's verification process.

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10. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating customers. Applications not selected for field verification will have an office verification to validate information.
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 and Projection Filings.

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**Program: Lighting Occupancy Sensors**

**Program Participation Standards**

1. Participation is available to any existing commercial/industrial customer located within Tampa Electric's service area.
2. Facilities that have a floor area greater than or equal to 5,000 square feet and were constructed after March 15, 2012 are not eligible for this program.
3. Rebate: \$26 per kW of lighting controlled up to but not to exceed 50 percent of purchase price.
4. All installations must exceed current Florida Building Code.
5. Occupancy sensor installation shall be hardwired and permanent. Sensors must be new and installed in a manner that meets or exceeds applicable code. Plug based occupancy sensors are not eligible for rebate.
6. A pre-approval certificate must be issued by a Tampa Electric Representative prior to installation. The application and pre-approval certificate will be valid for one year from the date of issuance. Missing or lost certificates can be reissued and will be valid according to the date of the original certificate.
7. No payment shall be made by Tampa Electric until:
  - a. Pre-verification has been performed and approved by Tampa Electric.
  - b. Contractor or customer submits a complete and correct application to Tampa Electric.
  - c. Application must include:
    - Signature of customer certifying installed equipment meets program standards.
    - Purchase receipt(s) and invoice(s) with itemized inventory of installed equipment detailing, equipment purchased, purchase price, date of purchase, quantity of equipment purchased.
    - Associated wiring diagram or control map for the lighting system.
  - d. Installation has passed Tampa Electric's verification process.
8. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating customers. Applications not selected for field verification will have an office verification to validate information.
9. 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.

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**Program: Commercial Load Management (GSLM 1)**

**Program Participation Standards**

1. Participation is available to any commercial/industrial customers on firm rates located in Tampa Electric's service area.
2. Cyclic air-conditioning control is applicable to any customer served under rate schedule GS or GSD.
3. Extended control is applicable to any customer under rate schedule GS, GST, GSD, or GSDT that signs a tariff agreement for load management service.
4. Incentive: Cyclic control receives \$5.00 per kW demand reduction per month during the summer; extended control receives \$5.50 per kW demand reduction per month annually. Both incentives are applied to the customer's monthly bill.
5. Summer is April through October. Winter is November through March.
6. The company's prime use periods for normal control of the customer's equipment are as follows:
  - Summer - 2:00 P.M. to 10:00 P.M.
  - Winter - 6:00 A.M. to 11:00 A.M. and 6:00 P.M. to 10:00 P.M.
7. For cyclic control, the incentive is based on the nameplate electrical capacity of the controlled equipment.
8. For extended control, the incentive is based on the difference between the average hourly demand registered on the meter during the non-interrupted hours of the prime use periods and the average hourly demand registered during the interrupted hours.
9. Tampa Electric will perform field verifications on all installations.
10. 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.



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**Program: Standby Generator**

**Program Participation Standards**

1. Participation is available to commercial/industrial customers located in Tampa Electric's service area with on-site emergency, backup or standby generation.
2. Customers must submit the following to be considered for eligible participation in this program:
  - Signed tariff agreement.
  - Submit a completed application.
  - Submit a wiring diagram showing the connection point within the electrical system of the facility and in relation to the facilities main service.
  - Signed agreement to perform a load test during Tampa Electric's peak hours.
  - Signed agreement that Tampa Electric's metering, control, and communication equipment can be accessed at any time for maintenance and verification.
3. The normal facility load that can be served by the generator(s) must meet the following conditions:
  - Minimum of 25 kW demand of load transferred to generator(s), aggregation of load from more than one facility is not eligible to meet this minimum transferable load threshold.
  - Minimum of 50 percent load factor during Tampa Electric's designated peak periods.
  - Generator installation and operation must comply with all applicable regulations, including air emission guidelines and EPA's rules.
4. The initial transferable demand will be determined by a load test at the facility. No incentives will be paid until after this determination is performed.
5. The transferable demand cannot exceed the full load nameplate rating of the generator.
6. The transferable demand may be adjusted based upon one or more of the following conditions:
  - The actual transferred demand when participating either through a control or through a notch test is more than ten percent higher or lower than the initial load test.
  - Failure to participate in any control request or notch test.
  - The customer's demand during the company's peak hours drops below the transferable load determined by the initial or subsequent load tests.

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- If transferrable load exceeds the billing kW in any given month.
7. The customer may request in writing that a load test be performed to determine a new transferable demand no more than once per year.
  8. Incentive: \$6.15 per month per qualifying kW of average transferable demand of a customer's load to a standby generator(s) during the company's prime use periods.
  9. Tampa Electric reserves the right to perform periodic notch tests of the system to verify the amount and availability of the transferable load amount. Notch tests will be treated as control requests.
  10. Tampa Electric reserves the right to suspend incentives or remove customers from the program for non-compliance.
  11. The company's prime use periods for normal transfer of the customer's load are as follows:
    - Summer - 2:00 P.M. to 10:00 P.M.
    - Winter - 6:00 A.M. to 11:00 A.M. and 6:00 P.M. to 10:00 P.M.
  12. Summer is April through October. Winter is November through March.
  13. The customer response time for load transfer to the generator(s) is a maximum of 30 minutes from time of notification.
  14. Customers are responsible for wiring changes and controls necessary for their generator(s) to perform in accordance with program standards.
  15. Tampa Electric will perform field verifications on all installations.
  16. 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.

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**Program: VFD and Motor Controls**

**Program Participation Standards**

1. Participation is available to any commercial/industrial customers located in Tampa Electric's service area.
2. Qualifying frequency drives must be new; used or refurbished equipment are not eligible.
3. Rebates will be paid based upon the Horse Power ("HP") being controlled and are paid \$75 per HP.
4. Qualifying variable frequency drive equipment must be electric and can include the following:
  - Commercial cooling units
  - Commercial chiller systems
  - Commercial HVAC pumps
  - Commercial refrigeration systems
  - Compressed air systems
  - Variable air volume systems
  - Demand circulating system
  - Escalator motors
  - High efficiency exhaust hoods
5. No payment shall be made by Tampa Electric until:
  - a. Contractor or customer submits a complete and correct application to Tampa Electric within one year of the installation date.
  - b. Tampa Electric reserves the right to require additional information from the customer regarding the variable frequency drive equipment and purchase prior to any rebate being paid.
  - c. Installation has passed Tampa Electric's verification process.
6. Application must include:
  - a. Signature of customer certifying installed equipment meets all program standards.
  - b. Purchase receipt(s) and invoice(s) with itemized inventory of installed equipment detailing, equipment purchased, purchase price, date of purchase, quantity of equipment purchased and proof of payment.
  - c. The application remains valid for one year from the date of the assigned project identification number.
1. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating customers. Applications not selected for field verification will have an office verification performed.

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2. 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.

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**Program: Commercial Heat Pump Water Heater and Drain Heat Recovery**

**Program Participation Standards**

Participation is available to any commercial/industrial customers located in Tampa Electric's service area.

1. Commercial and industrial Heat Pump Water Heaters ("HPWH") to be eligible must meet all of the following:
  - Be new and not refurbished or previously installed or used.
  - Be Energy Star Certified or have a minimum coefficient of performance of 3.00
  - Must be ANSI/AHRI 1300 and ASHRAE 118.1 certified.
  - Commercial and industrial Drain Water Heat Recovery Units must be recovered from an electrical heated source.
2. Installing contractor or customer must be a licensed general contractor, mechanical contractor, air-conditioning contractor, or plumbing contractor and must adhere to all local, state, and federal codes for the specific installation.
3. Rebate: \$10 per Btu up to a maximum rebate of 50 percent of the equipment cost.
4. The water heating system must be electric and used to supply heated water to meet domestic or process water needs.
5. The customer's facility utilizing the water heating equipment must operate during Tampa Electric's peak summer hours (2:00 P.M. to 10:00 P.M.), April through October and winter hours (6:00 A.M. to 11:00 A.M. and 6:00 P.M. to 10:00 P.M.), November through March.
6. No payment shall be made by Tampa Electric until:
  - a. Contractor or customer submits a complete and correct application to Tampa Electric.
  - b. Application must include:
    - Signature of customer certifying installed equipment meets program standards.
    - Purchase receipt(s) and invoice(s) with itemized inventory of installed equipment detailing, equipment purchased, purchase price, date of purchase, quantity of equipment purchased.
  - c. Installation has passed Tampa Electric's verification process.
7. Tampa Electric will randomly perform field verifications on a minimum of 10 percent of the participating customers. Applications not selected for field verification will have an office verification performed.

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8. 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.

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**Program: Conservation Research and Development (“R&D”)**

**Program Participation Standards**

Measures for R&D can be residential or commercial in nature and may be either new in the marketplace or existing measures which meet the criteria below:

- The proposed measure has the potential to affect Tampa Electric or its ratepayers.
- Sufficient data is not currently available to evaluate the impact of the proposed measure.
- Data on the proposed measure is available but is not relevant to the central Florida climate zone.

**Eligible Measures**

Most technology measures are eligible for consideration including renewable and green energy sources, energy efficient construction, heat recovery, space conditioning equipment, refrigeration, cooking, fuel cells, ventilation, pumps and fan efficiency, thermal energy storage systems, water heating, etc.

**TAMPA ELECTRIC COMPANY  
TEN-YEAR DSM PLAN  
PROGRAM STANDARDS  
FILED: DECEMBER 13, 2024**

**Program: Renewable Energy (Sun to Go)**

**Program Participation Standards**

1. Participation is available to any customer located within Tampa Electric's service area.
2. Customers may purchase unlimited blocks of renewable energy. One block of renewable energy is defined as 200 kWh.
3. The cost per block of renewable energy is \$5.00 and will be included in the customer's monthly electric bill.
4. Customer may make a one-time purchase of renewable energy for a designated event.
5. Service under this rate may be terminated by the customer with a two-month notice.
6. There are no technical specifications on equipment eligibility with this program.
7. The reporting requirements will follow Rule 25-17.0021 (5), F.A.C. Additionally, program expenses will be identified in the ECCR True-Up and Projection Filings.