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October 14, 2015

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

Re: Docket No. 150086-EG
Gulf Power Company's Demand-Side Management Plan

Dear Ms. Stauffer:

Pursuant to Order No. PSC-15-0330-PAA-EG, enclosed for electronic filing and administrative approval in the above referenced docket are Gulf Power Company's program standards for programs contained in its approved DSM Plan. Gulf intends to make these programs available to customers as soon as practical after approval of the enclosed program standards.

Sincerely,

A handwritten signature in blue ink that reads "Robert L. McGee, Jr." with a stylized flourish at the end.

Robert L. McGee, Jr.
Regulatory and Pricing Manager

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Attachment

cc w/attach: Beggs & Lane
Jeffrey Stone

Residential Energy Audit and Education Program

Energy Audit

Participation Standards

1. Participation is available to all residential customers in Gulf Power's service area.
2. Energy Audits are available in accordance with requirements of Rule 25-17.003, F.A.C.
3. Customers may choose from the following versions of the energy audit at no cost:
 - a. In-home walk through
 - b. Computer assisted walk through
 - c. Online at www.gulfpower.com
 - d. New home pre-construction
4. Regardless of the audit selected, each participating customer will be presented with building envelope, HVAC equipment, and weatherization recommendations to increase energy efficiency.
5. Building Energy Rating System (BERS) audit will be offered in accordance with Rate Schedule BERS and applicable fees.
6. Each participant in the new home pre-construction audit also will be provided whole-house heat gain and heat loss calculations in accordance with industry approved procedures.

Residential Energy Audit and Education Program

Energy Education

Participation Standards

1. Participation is available to any customer within Gulf Power's service area and is targeted to schools, community/civic/government groups, and trade/professional shows.
2. Presentations, demonstrations and workshops will build awareness of the benefits of energy efficiency and conservation as well as the role of renewable energy sources.
3. Gulf Power will provide workshops on a range of topics including energy conservation, renewable energy, efficient lighting, and efficient building design and construction. Targeted participants include facilities managers, architects, and building contractors.
4. Gulf Power will provide participating schools with free science-based training for teachers, educational materials for students and presentations.
5. Gulf Power will provide basic energy literacy training, including information on 2-year payback measures, for customers served by local community assistance organizations.

Community Energy Saver Program

Participation Standards

1. Participation is available to residential customers meeting the program qualification standards in Gulf Power's service area.
2. Eligible customers must reside in defined geographical areas that have at least 50% of households with incomes equal to or less than 200% of the poverty level set by the U.S. Department of Energy for low-income programs.
3. Gulf Power and its contractor will coordinate with local low-income agencies to identify eligible neighborhoods and to develop a schedule of neighborhood installations in order to spread participation in the program as equally as possible across the entire service area.
4. Participating customers will be provided the following measures, including installation, at no cost:
 - a. Energy assessment targeting low cost/no cost actions
 - b. Up to 5 compact fluorescent bulbs
 - c. Hot water pipe wrap up to 10 feet
 - d. Water heater temperature check and adjustment
 - e. Up to 3 low-flow faucet aerators
 - f. Up to 2 low-flow shower heads
 - g. Up to 12 HVAC filters
 - h. Education regarding energy efficiency
5. Participants shall be limited to the one-time receipt and installation of energy efficiency measures available through this program at a specific location.

6. Gulf Power will utilize a third party contractor to provide all services associated with this program.

Residential Custom Incentive Program

Participation Standards

1. Participation is available to building owners and public or private sector property managers with multi-occupancy buildings in Gulf Power's service area.
2. Participating customers will be required to participate in a free energy audit in order to assess potential energy efficiency upgrades and verify program qualification.
3. Participants will be provided a customized proposal for energy efficiency improvements, including combinations of other program offerings, as applicable.
4. Any customized project incentives will be provided after the following conditions are met:
 - a. Successful installation, and verification of project
 - b. Evaluation of project, including incentives, must pass all cost-effectiveness tests as performed in accordance with Florida Public Service Commission Cost-Effectiveness Manual
 - c. Total contributions will not bring the project payback to less than one year
5. Gulf, or its designee, will perform full field verification on 100% of contractor installations to ensure compliance with program standards. All applications for program incentives will be verified prior to payment.
6. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty, or warranty by the Company of the safety, durability, suitability, or reliability of the installation or equipment.

HVAC Efficiency Improvement Program

Participation Standards

1. Participation is available to all residential customers in Gulf Power's service area.

HVAC Maintenance

The Participating Contractor will subtract the incentive paid by Gulf Power from the customer's invoice for services provided as specified below:

Single Family ("stand-alone residence")

- a. \$50 for system performance diagnoses and maintenance on existing HVAC systems to include evaporator air flow check, condenser performance, refrigerant metering performance, and the addition of up to 1 lb. of refrigerant
- b. \$40 for indoor coil clean
- c. \$25 for outdoor coil clean
- d. Total incentive not to exceed \$100 per participant

Multi-Family (includes two or more attached residences)

- a. \$50 for system performance diagnoses and maintenance on existing HVAC systems to include evaporator air flow check, condenser performance, refrigerant metering performance, and the addition of up to 1 lb. of refrigerant
- b. \$27 for indoor coil clean
- c. \$17 for outdoor coil clean
- d. Total incentive not to exceed \$100 per participant

Quality Installation

The Participating Contractor will be paid the incentives as specified below:

Single Family (“stand-alone residence”)

- a. \$75 for proper commissioning of a new HVAC system installation to manufacturer’s specifications including refrigerant level check, refrigerant metering performance check, condenser performance check, and evaporator air flow check.

Multi-family Structures (includes two or more attached residences)

- a. \$50 for proper commissioning of a new HVAC system installation to manufacturer’s specifications including refrigerant level check, refrigerant metering performance check, condenser performance check, and evaporator air flow check.

Duct Repair

The Participating Contractor will subtract the incentive paid by Gulf Power from the customer’s invoice for services provided as specified below:

Single Family (“stand-alone residence”)

- a. \$150 for duct sealing and repairs to the air distribution system to include the air handler, air ducts, return plenums, supply plenums, and/or any connecting structure.

Multi-family Structures (includes two or more attached residences)

- a. \$100 for duct sealing and repairs to the air distribution system to include the air handler, air ducts, return plenums, supply plenums, and/or any connecting structure.

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2. All services must be provided by a Certified Technician of a Participating Contractor and must be completed during the effective dates of the program. The Program Administrator is responsible for the certification of all Participating Contractors and technicians.
 3. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty, or warranty by the Company of the safety, durability, suitability, or reliability of the installation or equipment.

Residential Building Efficiency Program

Participation Standards

1. Participation is available to all residential customers in Gulf Power's service area.
2. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty, or warranty by the Company of the safety, durability, suitability, or reliability of the installation or equipment.

Program Measures

High Performance Window

- a. An incentive of \$0.50 per square foot of qualifying windows will be allowed up to a maximum of \$300 per residence.
- b. Qualifying products must be new, purchased and installed during the effective dates of the program and installed on exterior walls and adjacent to conditioned space.
- c. Products must meet the most current ENERGY STAR[®] guidelines for the Southern Climate Zone; or they must be certified by the National Fenestration Rating Council (NFRC) to possess a solar heat gain coefficient (SHGC) of less than or equal to 0.25 and a U-factor that is less than or equal to 0.4. Proof of SHGC and U-factor compliance should include independent third-party documentation such as NFRC labels or manufacturers' technical specifications.

Residential Reflective Roof

- a. An incentive of \$0.25 per square foot of qualifying roofing products up to a maximum of \$400 per residence.
- b. Qualifying roofing products must be new, purchased and installed during the effective dates of the program and installed over conditioned space.

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- c. Qualifying roofing products must constitute the uppermost surface of the building structure only.
 - d. Qualifying roofing products must meet the most current ENERGY STAR[®] guidelines and have an initial solar reflectance as defined below:
 - i. Greater than or equal to 0.65 for low-slope roofs – defined in accordance with ASTM Standard E 1918-97 as roof surfaces with a slope of 2:12 inches, or less
 - ii. Greater than or equal to 0.25 for steep-slope roofs – defined as roof surfaces with a slope greater than 2:12 inches

ENERGY STAR[®] Window A/C

- a. An incentive amount of \$25 for qualifying ENERGY STAR[®] Window A/C will be paid to customer.
- b. Eligibility for participation will be verified by Gulf Power or its designee.
- c. Products must meet the most current ENERGY STAR[®] guidelines in order to qualify for incentives.
- d. Qualifying products must be new, and must be purchased and installed during the effective dates of the program.

Energy Select[®] Program

Participation Standards

1. Participation is available to all residential customers in Gulf Power's service area.
2. Participating customers must meet the following eligibility criteria:
 - a. Broadband Internet connectivity (i.e., DSL, digital cable, etc.)
 - b. Central heating and air conditioning that is compatible with Company installed energy management equipment and in good working order
 - c. 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 each and compatible with Company installed energy management equipment and in good working order
 - d. Residence must be located in an area covered by Gulf Power's automated meter reading system
3. Failure to maintain eligibility requirements can result in involuntary program removal by Gulf Power Company.

Commercial/Industrial Audit Program

Participation Standards

1. Participation is available to all commercial and industrial customers in Gulf Power's service area.
2. Energy Audits are available in accordance with requirements of Rule 25-17.003, F.A.C.
3. Customers may choose from the following versions of the energy audit at no cost:
 - a. Walk through
 - b. Computer assisted walk through
 - c. Online at www.gulfpower.com
4. A Technical Assistance Audit (TAA) is available to customers to assist them in identifying advanced energy conservation opportunities. The TAA process consists of an on-site review by the C/I Energy Specialist of the customer's facility operation, equipment, and energy use pattern. The specialist identifies all areas of potential reduction in kW demand and kWh consumption as well as identifying end-use technology opportunities. A technical evaluation is then performed which often includes providing an in-house energy simulation program model (EnerSim) in order to ascertain an economic payback or life cycle cost analysis for various improvements to the facility. When applicable, participation in the Energy Audit program qualifies customers for other DSM programs.

HVAC Retrocommissioning Program

Participation Standards

1. Participation is available to all commercial and industrial customers in Gulf Power's service area.
2. The Participating Contractor will subtract the incentive paid by Gulf Power from the customer's invoice for services provided as specified below:
 - a. \$50 for repair, minimum refrigerant charge adjustment up to 1 lb., non-ductwork airflow adjustment, and filter clean/replace per system/circuit (multiple evaporator coils connected to a single condensing unit)
 - b. Indoor coil clean
 - i. \$40 for coil \leq 5 ton
 - ii. \$60 for coil $>$ 5 ton
 - c. Outdoor coil clean
 - i. \$25 for coil \leq 5 ton
 - ii. \$35 for outdoor coil clean $>$ 5 ton
 - d. Total incentive not to exceed \$100 per participant
3. Eligible equipment must be existing central HVAC cooling and heating systems. This includes air source or water source complete air conditioning or heat pump system.
4. All services must be provided by a Certified Technician of a Participating Contractor and must be completed during the effective dates of the program. The Program Administrator is responsible for the certification of all Participating Contractors and technicians.
5. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty,

or warranty by the Company of the safety, durability, suitability, or reliability of the
installation or equipment.

Commercial Building Efficiency Program

Participation Standards

1. Participation is available to all commercial and industrial customers in Gulf Power's service area.
2. All projects associated with potential incentive payments require pre-authorization by Gulf Power prior to commencement.
3. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty, or warranty by the Company of the safety, durability, suitability, or reliability of the installation or equipment.

Program Measures

Geothermal Heat Pump

- a. Ground source closed loop geothermal heat pump units meeting the minimum efficiency of 14 EER at 86° (AHRI/ISO-13256-1 application) entering water temperature and a nominal water flow of 3.0 gallons per minute per ton will receive an incentive of \$250 per ton, up to \$18,750 per premise, for total system¹.
- b. Ground source hybrid geothermal heat pump units meeting the minimum efficiency of 14 EER at 86° (AHRI/ISO-13256-1 application) entering water temperature and a nominal water flow of 3.0 gallons per minute per ton will receive an incentive of \$125 per ton, up to \$9,375 per premise for total system¹.

¹Total system defined as a new compressor and evaporator unit capable of providing both cooling and heating. Any deviation of systems that are not tested as a total system (i.e. chiller units, fan coils, pumps and other system functioning components) by the Air Conditioning and Heating Refrigeration Institute, will be considered for a conservation/efficiency incentive under the provisions of the Custom Incentive Program (incentive amount/ton will vary).

- c. Ground-source closed loop geothermal heat pump units if installed to an existing ground-source closed loop system meeting the minimum efficiency of 14 EER at 86° (AHRI/ISO-13256-1 application) entering water temperature and a nominal water flow of 3.0 gallons per minute per ton will receive an incentive of \$150 per ton, up to \$11,250 per premise.
- d. Qualifying equipment must be new, operational, and must be purchased and installed during the effective dates of the program.

Ceiling/Roof Insulation

- a. Incentive of \$0.15 per square foot, up to \$1,500 per customer, will be paid for installation of qualifying insulation.
- b. Qualifying insulation products must be new, and must be purchased and installed during the effective dates of the program.
- c. Qualifying insulation products must be installed over air-conditioned building space.
- d. Incentive available only for existing buildings with dedicated HVAC systems. This incentive is not available for new construction.
- e. Insulation above suspended ceiling with removable ceiling panels does not qualify.
- f. Must add a minimum insulation value of R-11 based on manufacturer's specification card. Resulting total R-values must achieve a minimum R-19 for metal buildings or a minimum R-30 for attic and other construction types.
 - i. Application must be made within 60 days of the installation of qualifying products
 - ii. Installation must pass Gulf Power's verification process

Reflective Roof

- a. Incentive of \$0.10 per square foot, up to \$5,000 per customer, will be paid for qualifying installations.
- b. Participation is limited to commercial and industrial customers in Gulf Power's service area who replace existing roofing with qualifying reflective roofing. This incentive is not available for new construction.
- c. Qualifying roofing products must be new, and must be purchased and installed during the effective dates of the program.
- d. Qualifying roofing product must be installed over air-conditioned building space.
- e. Built-up or shingle roofs must have a minimum solar reflectance of 73%; light-colored metal roofs must have a minimum solar reflectance of 65%.

Commercial/Industrial Custom Incentive Program

Participation Standards

1. Participation is available to all commercial and industrial customers in Gulf Power's service area.
2. A Commercial/Industrial Energy Audit must be performed as a prerequisite for evaluation of any incentive.
3. Incentives will be provided in accordance with the following:
 - a. Successful installation and verification of the energy and demand savings
 - b. Evaluation of project, including incentives, must pass all cost-effectiveness tests as performed in accordance with Florida Public Service Commission Cost-Effectiveness Manual
 - c. Total contribution will not bring participant's project payback to less than two years
4. Qualifying equipment must be new, operational, and must be purchased and installed during the effective dates of the program.
5. The customer will be responsible for all design and construction costs associated with the individual project(s).
6. Gulf, or its designee, will perform full field verification on 100% of installations to ensure compliance with program standards. All applications for program incentives will be verified prior to payment.
7. Neither the payment of an incentive, nor any inspection, observation or verification by the Company shall be deemed to be or construed as a representation, assurance, guaranty, or warranty by the Company of the safety, durability, suitability, or reliability of the installation or equipment.

Conservation Demonstration and Development (CDD)

Miscellaneous Projects

1. Technologies evaluated under this program may be applicable to residential, commercial, or industrial applications.
2. Technologies evaluated cover a wide variety of activities and are subject to specific screening criteria prior to study implementation. These criteria include potential for energy and demand savings, technology maturity, and broad customer acceptability.
3. Any technology evaluated will be subject to comprehensive monitoring and evaluation. Prior to implementation, a project justification will be completed including project concept or description, research and design considerations, potential market opportunity, and anticipated costs.

Residential Service Time of Use Rate Pilot

Participation Standards

1. Participation is available to customers eligible for Rate Schedule RS (Residential Service). Availability is further limited to those customers selected by Gulf Power, volunteering to participate in, and meeting the standards of the Company's RSTOU pilot rate study.
2. Participation is contingent on the availability of an applicable rate schedule.
3. Participating customers must meet the following eligibility criteria:
 - a. Service entrance panel or house power panel rated at 400 amps or less.
 - b. Customer premises must be a single family dwelling.
 - c. Must have lived at current premise for a minimum of 2 years.
 - d. Must have a valid email address listed with Gulf Power.
 - e. Must be an active Residential Service (RS) rate customer.
 - f. Agree not to take service under any other available rate schedule during the pilot period.
 - g. Must be a customer in good credit standing with Gulf Power.
 - h. Residence must be located in an area covered by Gulf Power's automated meter reading system.
 - i. Existing meter configuration must be capable of incorporating the applicable rate schedule.
 - j. Central heating and air conditioning that is in good working order and compatible with low voltage 24 volt thermostats, not line voltage or millivolt systems.
 - k. Customer's heating system must be electric in order to facilitate valid winter peak reduction analyses during the pilot.

- i. Customer must have broadband internet connectivity (i.e., DSL, digital cable, etc.) at the participating premises.
 - m. Customer is responsible for installing approved thermostat and completing the steps necessary to register the thermostat to the internet portal of the program equipment provider within 14 days of delivery of the thermostat to the customer's residence.
 - n. The customer must maintain functioning Wi-Fi internet service at the customer's residence and ensure that the thermostat is connected to the Wi-Fi service for the duration of the program.
 - o. If for any reason the customer fails to comply with any of the foregoing terms and conditions, the customer must return the company provided thermostat to Gulf Power and will be placed back on the Residential Standard (RS) Rate.
4. This pilot will be offered to group of approximately 400 residential customers who meet the program standards and will last for a twelve month period.

Monitoring and Evaluation

1. Gulf Power will track the following information:
 - a. Customer satisfaction impacts
 - b. Date applications are received and thermostats are delivered to customer
 - c. Dates customers install and synchronize thermostats
 - d. Impacts to the Gulf Power call center (number and duration of calls)
 - e. Program adoption rates
 - f. Load shifting (reduction in peak time usage)
 - g. Effectiveness of Critical Peak Credit Events
 - h. Effects to energy and demand profiles of customer's in the pilot

2. Six (6) months after the end of the pilot, Gulf Power will submit a report documenting the information above as well as conclusions and recommendations for future action. The report will include a cost-effectiveness analysis and customer satisfaction survey results.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Petition for approval of demand-side)
Management plan of Gulf Power Company)

Docket No.: 150086-EI

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 14th day of October, 2015 to the following:

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