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Public Service Commission

COMMISSION CLERK

June 1, 2010

Doc Horton
Messer, Caparello & Self, P.A.
P. O. Box 15579
Tallahassee, FL 32317-5579

STAFF'S SECOND DATA REQUEST

Re: Docket No. 100158-EG - Petition of approval of demand-side management plan of Florida Public Utilities Company.

Dear Mr. Horton:

By this letter, the Commission staff requests that Florida Public Utilities (FPUC or Company) provide responses to the following data requests.

1. In each program listed below, the estimated savings were adopted from another Florida utility. For each of the following programs, please provide detailed information regarding how the values for the stated savings were calculated. In addition, please clearly show how the other utilities' programs were utilized in the development of FPUC's estimated savings.
 - a. For the Residential Energy Survey Program, in Section 2.1.3, Benefits and Costs, the plan states that estimates for benefits were adopted from Progress Energy Florida's (PEF) Home Energy Check program. In addition, the plan states that savings from the installation of 10 compact fluorescent bulbs are included. The stated per customer savings are 0.451 kW of demand in summer and winter, and 1,229 kWh of energy annually.
 - b. For the Residential Heating & Cooling Efficiency Upgrade Program, in Section 2.2.3, Benefits and Costs, the plan states that estimates for average benefits were developed from Energy Star data and Orlando Utilities Commission Residential Efficient Electric Heat Pump Rebate program. The stated per customer savings are 1.86 kW of demand in summer, 1.02 kW of demand in winter, and 3,778 kWh of energy annually.
 - c. For the Residential Ceiling Insulation Upgrade Program, in Section 2.3.3, Benefits and Costs, the plan states that estimates for benefits were adopted from Gainesville Regional Utility's (GRU) Residential Insulation program. The stated per customer savings are 0.50 kW of demand in summer and winter, and 1.497 kWh of energy annually.

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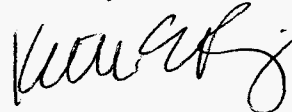
- d. For the Commercial Energy Survey Program, in Section 3.1.3, Benefits and Costs, the plan states that, “for purposes of evaluating performance against the PSC’s goals, demand savings estimates are based on Orlando Utilities Commission’s Commercial Energy Survey program,” and include savings from installing 10 CFLs. The stated per customer savings are 0.534 kW of demand in summer and winter, and 1,861 kWh of energy annually.
 - e. For the Commercial Indoor Efficient Lighting Rebate Program, in Section 3.2.3, Benefits and Costs, the plan states that “[e]stimated annual savings are...based on Florida Public Utilities Company actual demand savings and Florida Power & Light’s estimated winter peak demand and load factor savings.” The stated per customer savings are 3.20 kW of demand in summer, 2.08 kW of demand in winter, and 16,259 kWh of energy annually.
 - f. For the Commercial Heating & Cooling Efficiency Upgrade Program, in Section 3.3.3, Benefits and Costs, the plan states that “[e]stimates for average benefits were adopted from Florida Power & Light’s (FPL) HVAC Upgrade program.” The stated per customer savings are 1.86 kW of demand in summer, 1.02 kW of demand in winter, and 3,778 kWh of energy annually.
 - g. For the Commercial Ceiling Insulation Upgrade Program, in Section 3.4.3, Benefits and Costs, the plan states that “[e]stimates for benefits were adopted from Gainesville Regional Utilities (GRU) Residential Insulation program. The stated per customer savings are 0.50 kW of demand in summer and winter, and 1,497 kWh of energy annually.
 - h. For the Commercial Window Film Installation Program, in Section 3.5.3, Benefits and Costs, the plan states that “[e]stimates for benefits were adopted from Tampa Electric Company’s (TECO) Solar Window Film program contained within the Commercial Building Envelope Improvement program.” The stated per customer savings are 0.84 kW of demand in summer, and 3,670 kWh of energy annually.
 - i. For the Commercial Chiller Upgrade Program, in Section 3.6.3, Benefits and Costs, the plan states that “[e]stimates for benefits were adopted from TECO’s Commercial Chiller Upgrade program.” The stated per customer savings are 63.17 kW of demand in summer, 39.94 kW of demand in winter, and 216,545 kWh of energy annually.
2. For each of the Renewable Energy Programs (Solar Water Heating and Solar Photovoltaic), the plan only states that the incentive payments are subject to the cap of \$47,233. Please explain or describe how the money will be allocated, and include the amounts. For example, how much will be spent on administrative costs, overhead, marketing, and so forth? Please identify how much will be spent on each of the two programs.

3. For each of the programs (residential and commercial), please explain or describe the allocation of costs, i.e. administration, marketing, overhead, incentives, etc. As part of this response, please provide the percent of each category compared to the total annual expenditures for each program. Please also provide a total value for each program that will be recovered through the company's ECCR factor for year 1, year 5, and year 10.
4. For the Residential Energy Survey Program, please provide the following information.
 - a. Section 2.1.1 states that if a problem is identified when checking a residence for duct leakage, "[b]lower-door testing is required to identify and quantify the duct leakage." Does the contractor provide this service free of charge? If not, does the utility cover the cost of the testing? What is the typical cost of this type of testing?
 - b. Please explain or describe the survey, including all the steps in the process and/or tests performed during the survey.
 - c. Please provide the amount of time, on average, that utility staff would spend performing the survey as described in Section 2.1.1
 - d. Please explain or describe how the stated 307 MWh of savings are achieved from a survey program. How much of these savings are attained from the "up to ten" CFLs provided as part of the survey? From what other measures are the savings attained? Please quantify the savings from each measure.
5. For the Commercial/Industrial Energy Survey Program, please provide the following information.
 - a. Please explain or describe the survey, including all the steps in the process and/or tests performed during the survey.
 - b. Please provide the amount of time, on average, that utility staff would spend performing the survey as described in Section 3.1.1
6. For the Residential Ceiling Insulation Upgrade Program, please provide the following information.
 - a. Section 2.3.1 states that FPUC customers can "qualify for an incentive of \$0.125 per square foot up to \$375 in the form of a rebate." However, a "qualified contractor" must perform the upgrade. Please provide the average cost of this service, on a per square foot basis.
 - b. Section 2.3.2 states that "[r]ebates are subject to change without notice and are subject to approval by Florida Public Utilities Company." Please explain or describe how the rebate program might be changed and the conditions under which FPUC might change or modify the program.

7. Please explain or describe any and all programs FPUC has to inform its residential, commercial, and industrial customers of the costs and benefits of free riders. As part of this response, please describe the program(s) in detail and identify the free riders that are included in the program. If no such programs exist, please explain the reason(s).
8. Please identify the cost-effectiveness tests (TRC, E-TRC, etc.) that were used to evaluate the programs in FPUC's DSM Plan. As part of this response, please provide the results of these tests. In addition, please provide the payback periods for each of the program measures.
9. Please explain or describe the avoided unit used to evaluate the programs, and any cost assumptions related to the avoided unit.
10. For each measure in the Company's DSM Plan, please identify the program savings per participant and the participation levels that were assumed.
11. Please state the current authorized ROE for FPUC. How many dollars in revenues represent 100 basis points?
12. Please provide an estimate of lost non-fuel revenues as a result of the Company's DSM Plan in year 1, year 5, and year 10.

Please file the original and five copies of the requested information by June 21, 2010, with Ms. Ann Cole, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6218 if you have any questions.

Sincerely,



Katherine E. Fleming
Senior Attorney
Office of the General Counsel

KEF/sh

cc: Office of Commission Clerk
George Cavros
Suzanne Brownless