



# Public Service Commission

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TALLAHASSEE, FLORIDA 32399-0850

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

**DATE:** MARCH 18, 2004

**TO:** DIRECTOR, DIVISION OF THE COMMISSION CLERK &  
ADMINISTRATIVE SERVICES (BAYO)

**FROM:** DIVISION OF ECONOMIC REGULATION (BAXTER) *DPW*  
OFFICE OF THE GENERAL COUNSEL (BROWN) *NEB* *ASU* *TGS* *JDJ*

**RE:** DOCKET NO. 031100-EI - PETITION FOR APPROVAL OF TARIFFS  
OFFERING ENERGY PROFILER ONLINE SERVICE AND REMOTE ACCESS  
SERVICE BY PROGRESS ENERGY FLORIDA, INC.

**AGENDA:** 03/30/04 - REGULAR AGENDA - TARIFF FILING - INTERESTED  
PERSONS MAY PARTICIPATE

**CRITICAL DATES:** 8-Month Effective Date: 8/10/2004

**SPECIAL INSTRUCTIONS:** NONE

**FILE NAME AND LOCATION:** S:\PSC\ECR\WP\031100.RCM

CASE BACKGROUND

On December 10, 2003 Progress Energy Florida, Incorporated (PEF) petitioned the Commission for approval of two new services named Energy Profiler Online Service and Remote Access Service.

The Energy Profiler Online Service allows business and industrial customers to see their energy usage information on a daily, weekly, or monthly basis via an internet connection. The Remote Access Service allows business and industrial customers to access their energy usage data at any time and use that information to manage their peak demands through load management equipment and software. The proposed tariffs were suspended at the Commission's February 3, 2004, Agenda Conference.

The Commission has jurisdiction over this matter pursuant to Sections 366.04, and 366.05, Florida Statutes.

DOCUMENT NUMBER-DATE

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**ISSUE 1:** Should the Commission grant PEF's petition for approval of its proposed Energy Profiler Online Service?

**RECOMMENDATION:** Yes. (BAXTER)

**STAFF ANALYSIS:** On December 10, 2004, PEF petitioned the Commission for approval of a new optional Energy Profiler Online Service. The service will be offered to small, medium-sized, and large commercial and industrial customers in PEF's territory.

Customers who opt for the Energy Profiler Online service pay a one-time installation charge and a monthly charge to have their energy usage data monitored. The information is sent from meters at the customers' location at 15-minute intervals to PEF. Customers can then view the data at a secure online website, in an easy to read graph and chart format. Customers can view or receive their usage data (depending upon the level of service taken) at monthly, weekly, or daily intervals.

The installation and monthly charges vary with the size of the customer and with the frequency with which the data is provided. Small and medium-sized commercial and industrial customers (defined as those whose maximum demands range from 30-500 kilowatts a month) who wish to have their power usage data collected at monthly intervals pay a \$50 one time-installation charge and a \$25 monthly charge for each electric meter. Customers who desire power usage data on a weekly basis pay a \$138 one-time installation charge and a \$49.50 monthly charge per meter, which includes the cost of cellular phone service. A daily data collection of power usage data for small and medium-sized customers is not available.

Large commercial and industrial customers who wish to view power usage data collected on a monthly or weekly basis pay a \$50 one-time installation charge and a \$25 monthly charge for each meter. If large customers opt to view power usage data collected on a daily basis, they pay a \$50 one-time installation charge and a \$45 monthly charge per meter.

The installation and monthly costs of collecting power usage data on a weekly basis for small and medium-sized customers are about twice what a large customer would pay. The reason for the difference is that the large customer's meter has internal circuit boards that enable it to store power usage data collected at 15-minute intervals for up to 60 days. The meters for small and

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medium-sized customers do not contain these data recording circuit boards, requiring the meter's upgrade to receive the service. The annualized cost of installing the circuit boards is what results in the higher installation and monthly charges for small and medium-sized customers.

In response to staff inquiries, PEF stated that it anticipates 100 meters to take service under the Energy Profiler Online tariff in 2004 and that 40 meters per year will be added from 2005-2010. The company states that it anticipates initial gross revenues of \$35,000 in 2004, growing to \$50-70,000 a year by 2010.

After receiving and analyzing cost support data for the new service offering from PEF, staff believes that the submitted data adequately supports the new service. Staff believes the service will benefit customers by enabling them to better understand their energy usage and take steps to control that usage. Staff therefore recommends approval of the new Energy Profiler Online Service.

**ISSUE 2:** Should the Commission approve Progress Energy Florida, Incorporated's (PEF's) petition for approval of its proposed Remote Access Service?

**RECOMMENDATION:** Yes. (BAXTER)

**STAFF ANALYSIS:** On December 10, 2004, PEF petitioned the Commission for approval of a new Remote Access Service. The service will be offered to small, medium-sized, and large commercial and industrial customers in PEF's territory.

Customers who opt for the Remote Access Service pay a one-time installation charge and monthly charge to gain access to the raw energy usage data generated at their meters. The service requires a telephone line for each meter, since the customer can query their information at any time. Unlike the Energy Profiler Online service, the information generated is not presented in easy-to-understand graph and chart formats on a website. Instead, the information is intended for use in load management software and equipment that is capable of using raw meter data.

The one-time installation charge is \$108 per meter for small, medium-sized and large customers. The monthly charge is \$9.70 per meter for small and medium-sized customers, which PEF defines as those whose maximum demands are between 30 and 500 Kw per month, and \$5.25 per meter for large customers whose maximum demands exceed 500 Kw.

The monthly charge for large customers is lower than that for small and medium-sized customers. Similar to the Energy Profiler Online service, the meter for a large customer has internal circuit boards that enable it to store power usage data collected at 15-minute intervals for up to 60 days. The meters for small and medium-sized customers do not contain the interval recording circuit boards, requiring the upgrade of the meter to receive the service. The annualized cost of installing the circuit boards is what results in higher installation and monthly charges for small and medium-sized customers.

PEF has stated that it anticipates 15 meters to take service under the Optional Remote Access Service tariff in 2004, and that 10 meters per year will be added from 2005-2010. The company states that it anticipates initial gross revenues of \$3,000 in 2004, growing to \$5-10,000 a year by 2010.

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After receiving and analyzing cost support data for the new service offering from PEF, staff believes that the submitted data adequately supports the new service. Staff believes the service will benefit customers by providing them with information that can be directly input into load management equipment and software. Staff therefore recommends approval of the new Remote Access Service.

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**ISSUE 3:** Should this docket be closed?

**RECOMMENDATION:** Yes. If Issues 1 and 2 are approved, this tariff should become effective on March 30, 2004. If a protest is filed within 21 days of the issuance of the order, this tariff should remain in effect with any increase held subject to refund pending resolution of the protest. If no timely protest is filed, this docket should be closed upon the issuance of a consummating order. (BROWN)

**STAFF ANALYSIS:** If Issues 1 and 2 are approved, this tariff should become effective on March 30, 2004. If a protest is filed within 21 days of the issuance of the order, this tariff should remain in effect with any increase held subject to refund pending resolution of the protest. If no timely protest is filed, this docket should be closed upon the issuance of a consummating order.