

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF FLEMING-MASON ENERGY )  
COOPERATIVE FOR APPROVAL TO ADOPT A ) CASE NO. 2004-00173  
SAMPLE METER TESTING PLAN )

ORDER

On May 11, 2004, Fleming-Mason Energy Cooperative, Inc. ("Fleming-Mason") applied for authority to adopt a scientific sample meter testing plan for single phase meters. On July 1, 2004, Fleming-Mason amended its application to sample test its single phase meters according to the American National Standard ANSI/ASQC Z1.9-1993.

The proposed Statistical Sampling Plan provides for the division of residential watt-hour meters into homogeneous groups. Fleming-Mason states that the meter lot composition will be based on manufacturer and type. Fleming-Mason proposes to replace or test all meters in a failed test group within 18 months of the annual report to the Commission.

Fleming-Mason indicated that group performance for new and existing meters shall be deemed acceptable if the full load performance of the meters meets the acceptability criteria of the ANSI/ASQ Z1.9-1993. The Commission finds that group performance is acceptable only when both full load and light load performance of the meters meets the acceptability criteria of the ANSI/ASQ Z1.9-1993. It is very possible

that a meter might test accurate under full load test but fail under light load test; therefore, this meter will be inaccurate.

Fleming-Mason indicated that the minimum number of meters to be tested for new meters will be based on "Inspection Level I" with an acceptable Quality Level ("AQL") of 2.5. The Commission finds that new meters should have an accuracy near 100 percent. Since Fleming-Mason is proposing to sample test new meters, the acceptable AQL should be 1.0 instead of the proposed 2.5, and the inspection level should be II instead of the proposed I.

In support of its application, Fleming-Mason states that the proposed testing plan will achieve an annual cost reduction of approximately \$129,355.20.

Based on the evidence of record, the Commission finds that the proposed sample meter plan will be reasonable only if revised to reflect the changes listed below:

1. Lot performance for new and existing meters shall be deemed acceptable if the full load and light load performance of the meters within the lot meets the acceptability criteria of the ANSI/ASQC Z1.9-1993.

2. The minimum number of new meters to be tested shall be based on "Inspection Level II" with an AQL of 1.0.

IT IS THEREFORE ORDERED that Fleming-Mason shall have 20 days from the date of this Order to file a revised amended sample meter test plan reflecting the modifications discussed in the findings above. If a revised plan is not filed within 20 days from the date of this Order, the proposed sample meter testing plan shall be denied without further Order of the Commission.

Done at Frankfort, Kentucky, this 25<sup>th</sup> day of August, 2004.

By the Commission

ATTEST:

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke at the end, positioned above a horizontal line.

Executive Director