

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

In the Matter of:

ELECTRONIC APPLICATION OF TAYLOR)	
COUNTY RURAL ELECTRIC COOPERATIVE)	
CORPORATION FOR APPROVAL OF SAMPLE)	CASE NO.
METER TESTING PROGRAM FOR SINGLE-)	2021-00181
PHASE METERS)	

RESPONSES OF TAYLOR COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION

Request No. 1. Refer to the Application, attached six-page presentation titled “Taylor County Rural Cooperative Corporation Proposed Plan to Implement Sample Meter Testing Program on Single-Phase 1S/2S” (Proposed Plan), unnumbered page 3.

- a. Confirm if a meter is in error greater than +/- 1%, whether another meter will be randomly selected and tested.
- b. Explain whether the registration error of greater than +/- 1% affects the test sample.
- c. If yes, provide a detailed explanation of how it can affect the sample test.
- d. If no, provide a detailed explanation of how it would not affect the sample test.

Response to Request No. 1:

- a. All meter's test results will be left in the analysis. The purpose of retiring meters beyond the 1% deviation is to eliminate these from future testing

analysis.

- b. Any meter with a large accuracy deviation will affect the test results statistics.
- c. See answer in 1b.
- d. See answer in 1b.

Request No. 2. Refer to the Application, Proposed Plan, unnumbered page 3.

- a. Confirm whether the ANSI standard acceptable performance of a meter is greater than +/- 1% (which is the accuracy requirements of 807 KAR 5:041 17 (1)) or greater than +/- 2%.
- b. Provide an example of how an error of a meter(s) would fail the sample test lot/group.

Response to Request No. 2:

- a. 2% is the ANSI standard acceptable performance. TCRECC chooses to use the 1% as a threshold for retiring meters to better improve meter accuracy within their inventory.
- b. A meter with an accuracy test result of less than 99.5% or greater than 100.5%.

Request No. 3. Refer to the Application, Proposed Plan, unnumbered page 3.

Confirm whether the complete set of meters would be tested if the entire sample test group failed.

Response to Request No. 3:

A group of meters where their analyzed test results fall outside the ANSI standards acceptable limits, will be removed from service and tested within 18 months.

Request No. 4. Refer to the Application, Proposed Plan, unnumbered page 3.

- a. Confirm the typical service life of Taylor RECC's meters.
- b. Confirm whether the manufacturer offers a warranty on Taylor RECC's meters.

Response to Request No. 4:

- a. The typical meter life cycle with the changing of communications technologies is ranging between 15 and 20 years.
- b. A typical manufacturer warranty is between 12 and 18 months depending on the manufacturer.

Request No. 5. Refer to the Application, Proposed Plan, unnumbered page 3.

Provide a copy or example of the annual report detailing each test lot's performance and the manufacturers' new meter test data.

Response to Request No. 5:

Attached as Exhibit A is a sample of meter tested performance.

Request No. 6. Refer to the Application, Proposed Plan, unnumbered page 3.

- a. Confirm whether Taylor RECC currently has a test facility to conduct testing of its single-phase residential meters.
- b. If yes, confirm the number of meter-testing personnel employed by Taylor RECC.
- c. Provide the cost of testing a single-phase meter.
- d. If no, confirm the entity that performs meter testing for Taylor RECC.
- e. Provide information on the cost of testing a single-phase meter by the third-party testing facility used by Taylor RECC.

Response to Request No. 6:

- a. TCRECC has an on-site test facility for testing their single phase meters.
- b. 1.
- c. \$4.65.
- d. N/A.
- e. N/A.

Request No. 7. Refer to the Application, Proposed Plan, unnumbered page

- 4. Confirm whether each of the below statements is accurate.
 - a. The Acceptable Quality Limits (AQL) value for these meters is 2.5 (Table A-1).
 - b. Inspection level is set at General II (Table A-2).
 - c. Meters will be divided into groups of 1,000 (Table A-2, Lot Size 501 to 1,200, J).
 - d. The AQL for normal inspection would be 5.58 (Table B-3).

Response to Request No. 7:

- a. Yes.
- b. Yes.
- c. Yes.
- d. Yes.

Request No. 8. Confirm the date on which Taylor RECC completed installation of its Advanced Metering Infrastructure system.

Response to Request No. 8:

2008.

Request No. 9. Refer to the Application, Proposed Plan, unnumbered page 3.

Provide an explanation of the statement: "If TCRECC should suffer an operational hardship due to this requirement, a request for deviations may be filed."

Response to Request No. 9:

If any unforeseen issues cause unexpected expenses and/or become inefficient, then TCRECC would possibly pursue other test analysis options.