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PUBLIC SERVICE COMMISSION 421 West Main Street Frankfort, KY 40601 [502] 223-3477 [502] 223-4124 Fax

March 16, 2015

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## HAND DELIVERED

Kyle Willard
Division Director, Division of Engineering
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602-0615

RE: Case No. 2005-00276 (Kentucky Power Company's 2014 Meter Testing Reports)

Dear Mr. Willard:

Pursuant to Section I, paragraph 4 of Kentucky Power Company's 2006 Sample Meter Testing Plan, I enclose the Company's certified test results of all new meters received during calendar year 2014.

I also enclose the 2014 results of Kentucky Power's statistical sampling plan. Each of the 18 lots tested satisfied the test criteria.

Finally, and as informally requested, I am enclosing the results of all meters tested in 2014.

The results described above are being provided on CD because of their voluminous nature.

Very truly yours

Mark R. Overstreet

**MRO** 

## Sample Test Report

## Kentucky Power Company 2014 Sample Test Results\* Kentucky



Based on: ANSI Z1.9 - 1993, Upper Limit - 102%, Lower Limit - 98%, AQL - 2.5, Table B3

| Group<br>Name<br>K4C11 | Meter Types |      |   |   | # of Meters in<br>Service at<br>time of the<br>sample<br>selection | # of<br>meters<br>sample<br>tested | Average<br>Accuracy<br>(Bar X) | Standard<br>Deviation<br>(Sigma) | Pass<br>or<br>Fail |
|------------------------|-------------|------|---|---|--|------------------------------------|--------------------------------|----------------------------------|--------------------|
|                        | C1SR        | C1SX | 0 | 0 | 9,719  | 75                                 | 99.98                          | 0.171                            | PASSED             |
| K4C12                  | C1SR        | 0    | 0 | 0 | 20,460   | 100                                | 100.01                         | 0.132                            | PASSED             |
| K4l2B                  | I210        | 0    | 0 | 0 | 963  | 35                                 | 99.98                          | 0.104                            | PASSED             |
| K4I4C                  | 1210        | 0    | 0 | 0 | 10,362   | 75                                 | 100.00                         | 0.167                            | PASSED             |
| K4I5C                  | 1210        | 0    | 0 | 0 | 12,829   | 100                                | 99.99                          | 0.152                            | PASSED             |
| K4I2D                  | 1210        | 0    | 0 | 0 | 23,193   | 100                                | 99.98                          | 0.166                            | PASSED             |
| K4I2E                  | 1210        | 0    | 0 | 0 | 2,919  | 50                                 | 99.98                          | 0.116                            | PASSED             |
| K43ER                  | KV2         | 0    | 0 | 0 | 4,400  | 75                                 | 99.95                          | 0.100                            | PASSED             |
| K4I2R                  | 1210        | 0    | 0 | 0 | 5,531  | 75                                 | 99.91                          | 0.106                            | PASSED             |
| K4I2G                  | 1210        | 0    | 0 | 0 | 5,582  | 75                                 | 100.01                         | 0.107                            | PASSED             |
| K4I3J                  | 1210        | 0    | 0 | 0 | 10,379   | 100                                | 99.98                          | 0.145                            | PASSED             |
| K4l5J                  | 1210        | 0    | 0 | 0 | 9,493  | 75                                 | 99.95                          | 0.127                            | PASSED             |
| K4I6J                  | 1210        | 0    | 0 | 0 | 8,289  | 75                                 | 99.99                          | 0.135                            | PASSED             |
| K4I7J                  | 1210        | 0    | 0 | 0 | 10,252   | 100                                | 99.97                          | 0.140                            | PASSED             |
| K2I8J                  | 1210        | 0    | 0 | 0 | 9,248  | 75                                 | 99.96                          | 0.161                            | PASSED             |
| K419J                  | I210        | 0    | 0 | 0 | 12,660   | 100                                | 99.92                          | 0.133                            | PASSED             |
| K4I2K                  | 1210        | 0    | 0 | 0 | 3,736  | 75                                 | 99.94                          | 0.167                            | PASSED             |
| K4PI1                  | 1210+       | 0    | 0 | 0 | 8,726  | 75                                 | 99.93                          | 0.075                            | PASSED             |

Meters removed in 2014 of Failed Groups:

| Group<br>Name |   | Meter    | Types |     | Group Failure | service as of | Removed<br>or Tested<br>in 2014 | Plans for present year |
|---------------|---|----------|-------|-----|---------------|---------------|---------------------------------|------------------------|
| -             | - | <u> </u> | -     | 1 - | -             | -             | -                               | -                      |

\*Of the 1435 meters included in the 2014 Sample Plan, 47 were removed from service during 2014 but not tested until early 2015.