# RECEIVED 

May 3, 2016
Commission

## Executive Director

Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615

Frankfort, Kentucky 40602-0615
Re: PSC Case No. 2016-00144

Dear Executive Director:
Enclosed are the original and seven copies of the response of Cumberland Valley Electric as requested in Case No. 2016-00144. Each response includes the name of the witness and a signed certification of the person supervising the preparation. Excel spreadsheets are included with formulas intact and unprotected.

If you have any questions about this filing, please feel free to contact me.
Sincerely,


Robert Tolliver
Office Manager
Enclosures

## COMMONWEALTH OF KENTUCKY

## BEFORE THE PUBLIC SERVICE COMMISSION

## In The Matter Of:

## AN EXAMINATION BY THE PUBLIC SERVICE

 COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF EAST KENTUCKY POWER COOPERATIVE, INC. FOR THE SIX MONTH BILLING PERIOD ENDING DECEMBER 31, 2015 AND THE PASS THROUGH MECHANISM FOR ITS SIXTEEN MEMBER DISRIBUTION COOPERATIVESFUblic SERVICE COMMISSION

## AFFIDAVIT

## STATE OF KENTUCKY )

COUNTY OF KNOX

Robert D. Tolliver, being duly sworn, states he has read the foregoing prepared testimony and that he would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of his knowledge, information and belief.


Subscribed and sworn before me on this 3rdday of May 2016


# Cumberland Valley Electric PSC Case No. 2016-00144 <br> Response to Commission Staff's <br> First Request for Information 

Request No. 2

This question is addressed to EKPC and the Member Cooperatives. For each of the 16 member distribution cooperatives, prepare a summary schedule showing the distribution cooperative's pass-through revenue requirement for the months corresponding with the six-month review utilizing the revised methodology approved in Case No. 2015-00281. Include the two months subsequent to the billing period included in the applicable review period. Include a calculation of any additional over- or under-recovery amount the distribution cooperative believes needs to be recognized for the six-month review. Provide all supporting calculations and documentation in Excel spreadsheet format with formulas intact and unprotected and all rows and columns fully accessible.

## Response:

Please see EKPC's response to Request No. 2 of the Commission Staff's First Request for Information dated April 14, 2016.

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CUMBERLAND VALLEY ELECTRIC
PSC CASE NO. 2016-00144
RESPONSE TO COMMISSION'S REQUEST 7
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## Request No. 7

This question is addressed to each of the 16 member cooperatives.
For your particular distribution cooperative, provide the actual average residential customer's monthly usage for the 12 months ending November 30, 2015. Based on this usage amount, provide the dollar impact of any over- or under-recovery will have on the average residential customer's monthly bill for the requested recovery period. Provide all supporting calculations and documentation in Excel spreadsheet format with formulas intact and unprotected and all rows and columns fully accessible.

## Response:

Please see EKPC's response to Request No. 2 of the Commission Staff's First Request for information dated April14, 2016 for the calculation of the review period's over- or under-recovery. Also note the small monthly recovery amount of $\$ 126$ produces zero impact on the average residential bill. The environmental surcharge percentage did not change with this small amount.

## No Recovery

| Average Monthly Residential Usage <br> 12 Months Ending November 30, 2015 |  | 1,146 |
| :---: | :---: | :---: |
|  |  |  |
| Energy@ | 0.08563 | \$98.13 |
| Customer Charge |  | . $\$ 8.73$ |
| Fuel @ | -0.0047393 | (\$5.43) |
| Environmental Surcharge @ | 15.35\% | \$15.57 |
| Local School Tax @ | 3.00\% | \$3.51 |
| TOTAL BILL AMOUNT |  | \$120.51 |

*See Exhibit A Page 1 of 2

Six-Month Recovery
Average Monthly Residential Usage
1,146
12 Months Ending November 30, 2015

| Energy@ | 0.08563 | $\$ 98.13$ |
| :--- | ---: | ---: |
| Customer Charge |  | $\$ 8.73$ |
| Fuel @ | -0.0047393 | $(\$ 5.43)$ |
| Environmental Surcharge @ | $15.35 \%$ | $\$ 15.57$ |
| Local School Tax @ | $3.00 \%$ | $\$ 3.51$ |
| TOTAL BILL AMOUNT |  | $\$ 120.51$ |
| *Siee Exhibit A Page 2 of 2 |  |  |
|  |  |  |
| The Dollar Impact |  | $\$ 0.00$ |

Witness: Robert Tolliver

Exhibit A
Page 1 of 2

East Kentucky Power Cooperative, Inc. - Distribution Cooperatives
Pass Through Mechanism Report for Cumberland Valley Electric
For the Month Ending March 2016

|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|c\|} \hline \text { Surcharge } \\ \text { Factor } \\ \text { Expense } \\ \text { Month } \end{array}$ | $\begin{aligned} & \text { EKPC } \\ & \text { CESF \% } \end{aligned}$ | $\begin{aligned} & \text { EKPC } \\ & \text { BESF \% } \end{aligned}$ | $\begin{gathered} \text { EKPC } \\ \text { MESF \% } \\ \hline \end{gathered}$ | EKPC <br> Monthly <br> Revenues from <br> Sales to <br> Cumberland <br> Valley | On-peak Revenue Adjustment | EKPC Net Monthly Sales to Cumberland Valley | EKPC 12-months <br> Ended Average <br> Monthly Revenue <br> from Sales to <br> Cumberland <br> Valley | Cumberland Valley <br> Revenue Requirement | Amortization of (Over)/Under Recovery | Cumberland Valley Net Revenue Revenue Requirement | Cumberiand Valley Total Monthly Retail Revenues | On-Peak Retail Revenue Adjustmen | Cumberland Valley Net Monthly Retail Revenues | 12-months ended Avg. Retail Revenues, Net | Cumberland Valley Pass Through Mechanism Factor |
|  |  |  | Col. (1)-Col. (2) |  |  | Col. (4) - Col. (5) |  | $\mathrm{Col}(3) \times \mathrm{Col}(7)$ |  | $\mathrm{COO}(8)+\mathrm{Col}(9)$ |  |  | Col. (11) - Col (12) |  | $\mathrm{Col}(10) / \mathrm{Col}(14)$ |
| Apr-14 | 13.47\% | 0.00\% | 13.47\% | 2,216,294 |  | 2,216,294 | 2,658,432 | 358,091 | $(19,814)$ | 338,277 | 2,887,592 |  | 2,887,592 | 3,439,172 | 9.79\% |
| May-14 | 15.84\% | 0.00\% | 15.84\% | 2,198,009 |  | 2,198,009 | 2,655,006 | 420,553 | $(19,814)$ | 400,739 | 2,941,166 |  | 2,941,166 | 3,450,908 | 11.65\% |
| Jun-14 | 15.67\% | 0.00\% | 15.67\% | 2,516,965 |  | 2,516,965 | 2,662,049 | 417,143 | $(19,814)$ | 397,329 | 3,104,725 |  | 3,104,725 | 3,447,025 | 11.51\% |
| Jul-14 | 14.38\% | 0.00\% | 14.38\% | 2,544,514 |  | 2,544,514 | 2,671,233 | 384,123 | $(19,814)$ | 364,309 | 3,310,342 |  | 3,310,342 | 3,460,813 | 10.57\% |
| Aug-14 | 12.62\% | 0.00\% | 12.62\% | 2,578,655 |  | 2,578,655 | 2,683,777 | 338,693 | $(19,814)$ | 318,879 | 3,327,005 |  | 3,327,005 | 3,476,608 | 9.21\% |
| Sep-14 | 13.53\% | 0.00\% | 13.53\% | 2,169,281 |  | 2,169,281 | 2,687,024 | 363,554 | - | 363,554 | 2,880,761 |  | 2,880,761 | 3,475,335 | 10.46\% |
| Oct-14 | 15.57\% | 0.00\% | 15.57\% | 1,986,486 |  | 1,986,486 | 2,680,414 | 417,340 |  | 417,340 | 2,856,333 |  | 2,856,333 | 3,489,777 | 12.01\% |
| Nov-14 | 16.95\% | 0.00\% | 16.95\% | 2,875,985 |  | 2,875,985 | 2,695,556 | 456,897 |  | 456,897 | 3,814,308 |  | 3,814,308 | 3,545,003 | 13.09\% |
| Dec-14 | 13.88\% | 0.00\% | 13.88\% | 2,935,469 |  | 2,935,469 | 2,679,636 | 371,934 | - | 371,934 | 3,607,210 |  | 3,607,210 | 3,504,984 | 10.49\% |
| Jan-15 | 13.67\% | 0.00\% | 13.67\% | 3,429,110 |  | 3,429,110 | 2,630,781 | 359,628 |  | 359,628 | 4,385,055 |  | 4,385,055 | 3,442,713 | 10.26\% |
| Feb-15 | 11.49\% | 0.00\% | 11.49\% | 3,593,190 |  | 3,593,190 | 2,669,233 | 306,695 | - | 306,695 | 4,838,912 |  | 4,838,912 | 3,481,800 | 8.91\% |
| Mar-15 | 10.90\% | 0.00\% | 10.90\% | 2,688,858 |  | 2,688,858 | 2,644,401 | 288,240 | - | 288,240 | 3,417,243 |  | 3,417,243 | 3,447,554 | 8.28\% |
| Apr-15 | 14.44\% | 0.00\% | 14.44\% | 1,801,957 |  | 1,801,957 | 2,609,873 | 376,866 | - | 376,866 | 2,768,696 |  | 2,768,696 | 3,437,646 | 10.93\% |
| May-15 | 18.09\% | 0.00\% | 18.09\% | 1,846,198 |  | 1,846,198 | 2,580,556 | 466,823 | - | 466,823 | 2,560,102 |  | 2,560,102 | 3,405,891 | 13.58\% |
| Jun-15 | 18.44\% | 0.00\% | 18.44\% | 2,351,355 |  | 2,351,355 | 2,566,755 | 473,310 | - | 473,310 | 2,904,423 |  | 2,904,423 | 3,389,199 | 13.90\% |
| Jul-15 | 15.91\% | 0.00\% | 15.91\% | 2,476,143 |  | 2,476,143 | 2,561,057 | 407,464 | - | 407,464 | 3,434,852 |  | 3,434,852 | 3,399,575 | 12.02\% |
| Aug-15 | 16.25\% | 0.00\% | 16.25\% | 2,286,077 |  | 2,286,077 | 2,536,676 | 412,210 | 51,284 | 463,494 | 3,098,157 |  | 3,098,157 | 3,380,504 | 13.63\% |
| Sep-15 | 17.07\% | 0.00\% | 17.07\% | 2,035,131 |  | 2,035,131 | 2,525,497 | 431,102 | 51,284 | 482,386 | 2,748,815 |  | 2,748,815 | 3,369,509 | 14.27\% |
| Oct-15 | 18.51\% | 0.00\% | 18.51\% | 1,903,972 |  | 1,903,972 | 2,518,620 | 466,197 | 51,284 | 517,481 | 2,658,192 |  | 2,658,192 | 3,352,997 | 15.36\% |
| Nov-15 | 18.81\% | 0.00\% | 18.81\% | 2,217,995 |  | 2,217,995 | 2,463,788 | 463,439 | 51,284 | 514,723 | 2,946,593 |  | 2,946,593 | 3,280,687 | 15.35\% |
| Dec-15 | 18.40\% | 0.00\% | 18.40\% | 2,338,046 |  | 2,338,046 | 2,414,003 | 444,176 | 51,284 | 495,460 | 3,054,138 |  | 3,054,138 | 3,234,598 | 15.10\% |
| Jan-16 | 16.00\% | 0.00\% | 16.00\% | 3,205,061 |  | 3,205,061 | 2,395,332 | 383,253 | 51,284 | 434,537 | 4,266,702 |  | 4,266,702 | 3,224,735 | 13.43\% |
| Feb-16 | 10.92\% | 0.00\% | 10.92\% | 2,725,508 |  | 2,725,508 | 2,323,025 | 253,674 | - | 253,674 | 3,759,898 |  | 3,759,898 | 3,134,818 | 7.87\% |
| Mar-16 | 14.30\% | 0.00\% | 14.30\% | 2,071,720 |  | 2,071,720 | 2,271,597 | 324,838 | 15,822 | 340,660 | 3,070,381 |  | 3,070,381 | 3,105,912 | 10.87\% |

Notes:
(1) includes demand and energy charges, customer charges, and FAC revenues

Revenues reported in Columns (4), (6). (7), (11), (13) and (14) are net of Green Power Revenues.

Exhibit A
Page 2 of 2

## East Kentucky Power Cooperative, Inc. - Distribution Cooperative <br> ass Through Mechanism Report for Cumberland Valley Electric

For the Month Ending March 2016

|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surcharge <br> Factor <br> Expense <br> Month | $\begin{gathered} \text { EKPC } \\ \text { CESF \% } \\ \hline \end{gathered}$ | $\begin{gathered} \text { EKPC } \\ \text { BESF \% } \end{gathered}$ | $\begin{gathered} \text { EKPC } \\ \text { MESF \% } \\ \hline \end{gathered}$ | EKPC <br> Monthly <br> Revenues from <br> Sales to <br> Cumberland <br> Valley | On-peak Revenue Adjustment | EKPC Net <br> Monthly <br> Sales <br> to <br> Cumberland <br> Valley | EKPC 12-months <br> Ended Average <br> Monthly Revenue <br> from Sales to <br> Cumberland <br> Valley | Cumberland Valley Revenue Requiremen | Amortization <br> of <br> (OVer)/Under <br> Recovery | Cumberland Valley Net Revenue Revenue Requirement | Cumberland Valley Total Monthly Retail Revenues | On-Peak Retail Revenue Adjustment | Cumberland Valley Net Monthly Retail Revenues | 12-months ended Avg. Retail Revenues, Net | Cumberland <br> Valley <br> Pass <br> Through <br> Mechanism <br> Factor |
|  |  |  | Col. (1)-Col (2) |  |  | Col. (4)-Col. (5) |  | $\mathrm{Col}(3) \times \mathrm{Col}(7)$ |  | $\mathrm{Col}(8)+\mathrm{Col}(9)$ |  |  | Col. (11)-Col. (12) |  | Col (10)/ $\mathrm{Col}(14)$ |
| Apr-14 | 13.47\% | 0.00\% | 13.47\% | 2,216,294 |  | 2,216,294 | 2,658,432 | 358,091 | $(19,814)$ | 338,277 | 2,887,592 |  | 2,887,592 | 3,439,172 | 9.79\% |
| May-14 | 15.84\% | 0.00\% | 15.84\% | 2,198,009 |  | 2,198,009 | 2,655,006 | 420,553 | $(19,814)$ | 400,739 | 2,941,166 |  | 2,941,166 | 3,450,908 | 11.65\% |
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| Sep-14 | 13.53\% | 0.00\% | 13.53\% | 2,169,281 |  | 2,169,281 | 2,687,024 | 363,554 | - | 363,554 | 2,880,761 |  | 2,880,761 | 3,475,335 | 10.46\% |
| Oct-14 | 15.57\% | 0.00\% | 15.57\% | 1,986,486 |  | 1,986,486 | 2,680,414 | 417,340 | - | 417,340 | 2,856,333 |  | 2,856,333 | 3,489,777 | 12.01\% |
| Nov-14 | 16.95\% | 0.00\% | 16.95\% | 2,875,985 |  | 2,875,985 | 2,695,556 | 456,897 | - | 456,897 | 3,814,308 |  | 3,814,308 | 3,545,003 | 13.09\% |
| Dec-14 | 13.88\% | 0.00\% | 13.88\% | 2,935,469 |  | 2,935,469 | 2,679,636 | 371,934 | - | 371,934 | 3,607,210 |  | 3,607,210 | 3,504,984 | 10.49\% |
| Jan-15 | 13.67\% | 0.00\% | 13.67\% | 3,429,110 |  | 3,429,110 | 2,630,781 | 359,628 | - | 359,628 | 4,385,055 |  | 4,385,055 | 3,442,713 | 10.26\% |
| Feb-15 | 11.49\% | 0.00\% | 11.49\% | 3,593,190 |  | 3,593,190 | 2,669,233 | 306,695 | - | 306,695 | 4,838,912 |  | 4,838,912 | 3,481,800 | 8.91\% |
| Mar-15 | 10.90\% | 0.00\% | 10.90\% | 2,688,858 |  | 2,688,858 | 2,644,401 | 288,240 | - | 288,240 | 3,417,243 |  | 3,417,243 | 3,447,554 | 8.28\% |
| Apr-15 | 14.44\% | 0.00\% | 14.44\% | 1,801,957 |  | 1,801,957 | 2,609,873 | 376,866 | - | 376,866 | 2,768,696 |  | 2,768,696 | 3,437,646 | 10.93\% |
| May-15 | 18.09\% | 0.00\% | 18.09\% | 1,846,198 |  | 1,846,198 | 2,580,556 | 466,823 | - | 466,823 | 2,560,102 |  | 2,560,102 | 3,405,891 | 13.58\% |
| Jun-15 | 18.44\% | 0.00\% | 18.44\% | 2,351,355 |  | 2,351,355 | 2,566,755 | 473,310 | - | 473,310 | 2,904,423 |  | 2,904,423 | 3,389,199 | 13.90\% |
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| Aug-15 | 16.25\% | 0.00\% | 16.25\% | 2,286,077 |  | 2,286,077 | 2,536,676 | 412,210 | 51,284 | 463,494 | 3,098,157 |  | 3,098,157 | 3,380,504 | 13.63\% |
| Sep-15 | 17.07\% | 0.00\% | 17.07\% | 2,035,131 |  | 2,035,131 | 2,525,497 | 431,102 | 51,284 | 482,386 | 2,748,815 |  | 2,748,815 | 3,369,509 | 14.27\% |
| Oct-15 | 18.51\% | 0.00\% | 18.51\% | 1,903,972 |  | 1,903,972 | 2,518,620 | 466,197 | 51,284 | 517,481 | 2,658,192 |  | 2,658,192 | 3,352,997 | 15.36\% |
| Nov-15 | 18.81\% | 0.00\% | 18.81\% | 2,217,995 |  | 2,217,995 | 2,463,788 | 463,439 | 51,410 | 514.849 | 2,946,593 |  | 2,946,593 | 3,280,687 | 15.35\% |
| Dec-15 | 18.40\% | 0.00\% | 18.40\% | 2,338,046 |  | 2,338,046 | 2,414,003 | 444,176 | 51,284 | 495,460 | 3,054,138 |  | 3,054,138 | 3,234,598 | 15.10\% |
| Jan-16 | 16.00\% | 0.00\% | 16.00\% | 3,205,061 |  | 3,205,061 | 2,395,332 | 383,253 | 51,284 | 434,537 | 4,266,702 |  | 4,266,702 | 3,224,735 | 13.43\% |
| Feb-16 | 10.92\% | 0.00\% | 10.92\% | 2,725,508 |  | 2,725,508 | 2,323,025 | 253,674 | - | 253,674 | 3,759,898 |  | 3,759,898 | 3,134,818 | 7.87\% |
| Mar-16 | 14.30\% | 0.00\% | 14.30\% | 2,071,720 |  | 2,071,720 | 2,271,597 | 324,838 | 15,822 | 340,660 | 3,070,381 |  | 3,070,381 | 3,105,912 | 10.87\% |

Notes:
Cumberiand Valley Total Monthly Retail Revenues in Column (11) includes demand and energy charges, customer charges, and FAC revenues
Revenues reported in Columns (4), (6), (7), (11), (13), and (14) are net of Green Power Revenues.

