

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION     )  
INTO THE MEASURING,            )  
RECORDING, AND REPORTING OF ) CASE NO. 2018-00394  
WATER LOSS BY KENTUCKY'S     )  
JURISDICTIONAL WATER         )  
UTILITIES                         )

RESPONSE OF  
ELKHORN WATER DISTRICT  
TO  
COMMISSION'S REQUEST FOR INFORMATION  
DATED DECEMBER 18, 2018

FILED: January 16, 2019

**COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION**

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INTO THE MEASURING,            )  
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WATER LOSS BY KENTUCKY'S     )  
JURISDICTIONAL WATER         )  
UTILITIES                         )**

**CERTIFICATION OF RESPONSE OF  
ELKHORN WATER DISTRICT  
TO COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of ELKHORN WATER DISTRICT's Response to the Commission's Request for Information. The response submitted on behalf of ELKHORN WATER DISTRICT is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: \_\_\_\_\_

1/16/19



\_\_\_\_\_  
Steve Mika, Secretary  
ELKHORN WATER DISTRICT

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 1**

**Responding Witness: Dale Gatewood**

- Q-1.** Explain in detail the manner in which you measure, calculate, and track water loss, and:
- a. Identify whether you use any manual form (including Excel spreadsheet) or electronic or mechanized system to calculate and track water loss.
  - b. Provide a copy of any form used (including Excel spreadsheet).
  - c. Identify the source of any form or system used.
- A-1.** The District measures, calculates, and tracks water loss monthly using our meter usage report generated by our billing software, internal flushing reports, fire department reports as well as leak/break reports. That information is then input into a modified version of PSC's calculation sheet in Excel.
- a. Modified version of PSC's calculation sheet in Excel.
  - b. See attached Exhibit 1-B
  - c. Kentucky Public Service Commission.

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 2**

**Responding Witness: Dale Gatewood**

**Q-2.** Explain in detail your understanding of the information to be provided in each of the categories on the Water Statistics page 56 (reference page 30) of the annual report required of jurisdictional water utilities, accessed through the Commission's website.

**A-2.** Reference Page 56 Water Statistics

1. All water that was produced and/or purchased, and then distributed.
2. The District only Purchases water.
3. Gallons purchased.
4. Total Purchased gallons.
6. The total amount of water sold to the District's customers, including all classes.
7. Total for Residential Class.
8. No Commercial Class.
9. No Industrial Class.
10. No Bulk Loading Station Class.
11. No Resale Class
12. Total for Other Class.
13. Total of all Classes.
15. Total of Other Water Used.
16. Total gallons used by the Utility/Water treatment plant.
17. The District has no wastewater plant.
18. Total gallons used for System Flushing.
19. Total gallons used by Fire Departments.

20. Total gallons used by Other.
21. Total of Other use.
23. The difference between purchased/produced and sold plus other water used section.
24. Total gallons from Tank Overflows.
25. Total gallons from known Line Breaks.
26. Total gallons from known Line Leaks.
27. Total gallons from issues yet to be found.
28. Total gallons used from Overflows, Line Leaks, Line Breaks.
32. Overflows, Leaks, Breaks, and Flushing divided by Total Purchased.
33. Total line loss is divided by Total Purchased.

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 3**

**Responding Witness: Dale Gatewood**

**Q-3.** State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.

**A-3.** No Questions.

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 4**

**Responding Witness: Dale Gatewood**

**Q-4.** State any suggestions or improvements you have for the update Commission Form described and attached as Appendix A to this Order.

**A-4.** Water not sold but accounted for as tank overflows should be counted as Other Water Used. The amounts of water are a known and measurable quantity.

Water not sold but accounted for due to excavation damages should be counted as Other Water Used. In many cases, this water is actually paid for by the offending contractor or excavation entity. This water is a known and measurable quantity.

The standard specifications for pipe, meters and various appurtenances on the water system allow a certain amount of leakage when a brand new installation is made. Though this water is not known or measurable, an allowance for this loss should be made under other water used.

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 5**

**Responding Witness: Dale Gatewood**

**Q-5.** State any questions you have regarding how the information in the updated Commission Form described and attached as Appendix A to this Order is to be incorporated into annual reports.

**A-5.** No Questions.



**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 6**

**Responding Witness: Dale Gatewood**

- Q-6.** State any concerns you have regarding the use of the updated Commission Form described and attached as Appendix A to this order.
- A-6.** Water Districts that do not have excessive (greater than 15%) water loss should not be given additional record keeping responsibilities of a new form.

**ELKHORN WATER DISTRICT**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 7**

**Responding Witness: Dale Gatewood**

- Q-7.** State whether you believe it is reasonable, proper and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated Commission Form described and attached as Appendix A to this Order. Fully explain your answer.
- A-7.** I believe that it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated form. The updated form universalizes the way in which water loss is measured, calculated, tracked, and reported for all utilities across the state. The use of the Commission Form should not be made mandatory for jurisdictional water utilities that currently operate below the 15% water loss threshold.

**CERTIFICATE OF SERVICE**

In accordance with 807 KAR 5:001, Section 8, I certify that ELKHORN WATER DISTRICT'S electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 17, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.

A handwritten signature in blue ink, appearing to read 'S. Mika', is written over a horizontal line.

Steve Mika, Secretary  
ELKHORN WATER DISTRICT

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
 COMMISSION IN CASE NO. 2018-00394 DATED **DEC 18 2018**

**PUBLIC SERVICE COMMISSION**

**Monthly Water Loss Report**

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Over 1,000)
1	<b>WATER PRODUCED, PURCHASED, &amp; DISTRIBUTED</b>	
2	Water Produced	
3	Water Purchased	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	
5	<b>WATER SALES</b>	
7	Residential	
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	
15	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	
23	<b>WATER LOSS</b>	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	
27	Excavation Damages	
28	Theft	
29	Unknown Loss	
30	<b>TOTAL LINE LOSS</b>	
31	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
32	<b>WATER LOSS PERCENTAGE FOR RATEMAKING PURPOSES</b>	
33	(Line 31 divided by Line 4)	
34		0.00%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

Elkhorn Water District 0

For the Month of:

December Year: 2018

LINE #	ITEM	GALLONS (Omit 000's)	
1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>		
2	Water Produced	— 0 —	
3	Water Purchased	— 0 —	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<u>5,727,000</u>	
5			
6	<b>WATER SALES</b>		
7	Residential	3,587,700	
8	Commercial	— 0 —	
9	Industrial	— 0 —	
10	Bulk Loading Stations	— 0 —	
11	Wholesale	— 0 —	
12	Other Sales	— 0 —	
13	<b>TOTAL WATER SALES</b>		#DIV/0!
14			
15	<b>OTHER WATER USED</b>		
16	Utility and/or Water Treatment Plant	— 0 —	
17	Wastewater Plant	— 0 —	
18	System Flushing	— 0 —	
19	Fire Department	327,000	
20	Other	— 0 —	
21	<b>TOTAL OTHER WATER USED</b>		#DIV/0!
22			
23	<b>WATER LOSS</b>		
24	Tank Overflows	— 0 —	
25	Line Breaks	1,812,300	
26	Line Leaks	— 0 —	
27	Other	— 0 —	
28	<b>TOTAL LINE LOSS</b>		#DIV/0!
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	<b>WATER LOSS PERCENTAGE</b>		
33	Unaccounted-For Water (Line 28 divided by Line 4)		#DIV/0!

36.64%