

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

Knox County Utility Commission

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 14, 2019

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

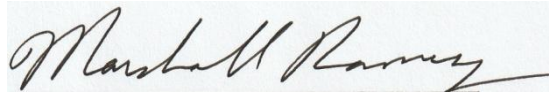
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CERTIFICATION OF RESPONSE OF
KNOX COUNTY UTILITY COMMISSION
TO COMMISSION'S REQUEST FOR INFORMATION

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

Date: 1/14/2019



Marshall Ramey, Superintendent
Knox County Utility Commission

Knox County Utility Commission

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Marshall Ramey

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. Knox County Utility Commission reads master meters and customer meters monthly. The readings from the monthly master meter readings are then used from the same day the customer's monthly readings are done to calculate water loss. The monthly flushing reports and monthly fire department usage reports are then entered on the PSC monthly water loss report.

- a. Knox County Utility Commission uses the approved PSC water loss spreadsheet.
- b. See Attached Appendix A
- c. Public Service Commission

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Marshall Ramey

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

A-2. Knox County Utility purchases a portion of the water it sells. Knox County Utility Commission understands the Water Statistics Form.

1. Knox County Utility Commission uses line 2 for total water produced at our Class II water treatment plant.
2. Knox County Utility Commission uses line 3 for total water purchased.
3. Knox County Utility Commission uses line 7 for residential water sales.
4. Knox County Utility Commission uses line 8 for commercial water sales.
5. Knox County Utility Commission uses line 12 for water sales that are tax exempt.
6. Knox County Utility Commission uses line 13 for total water sales.
7. Knox County Utility Commission uses lines 16, 18, 19 and 20 for water used that is accounted for.
8. Knox County Utility Commission uses line 21 for total water used that is accounted for.
9. Knox County Utility Commission uses lines 25 and 26 for water used that is not accounted for.
10. Knox County Utility Commission uses line 28 for total water used that is not accounted for.

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Marshall Ramey

- 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. Knox County Utility Commission does not have any questions regarding the updated Commission Form described or about attached appendix A.

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Marshall Ramey

- Q-4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this Order.
- A-4. Knox County Utility Commission has no suggestions or improvements for the updated Commission Form or for attached appendix A.

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Marshall Ramey

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. Knox County Utility Commission has no questions regarding the information in the updated Commission Form and attached appendix A, to how it is to be incorporated into annual reports.

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Marshall Ramey

- 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. Knox County Utility Commission has no concerns regarding the use of the updated Commission Form or Appendix A.

KNOX COUNTY UTILITY COMMISSION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

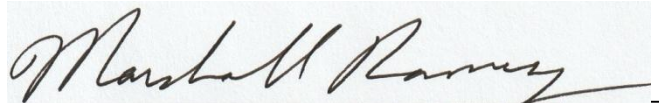
Responding Witness: Marshall Ramey

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. Knox County Utility Commission believes it is reasonable, proper, and appropriate for the Commission to require Water Utilities to maintain and use the updated Commission Form and attached Appendix A. We believe water loss is an important part of running an efficient water district and can have many effects on the district, including lost potential revenue. Excessive water loss can also cause higher rates for consumers to the ultimate failure of a water utility. Moreover, to the extent excessive water loss is the result of poor infrastructure, it may reflect the potential for health risks from contaminants infiltrating the water system.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Knox County Utility Commission 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 14, 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 black ink, reading "Marshall Ramey", is displayed on a light blue rectangular background. The signature is written in a cursive style with a long horizontal flourish at the end.

Marshall Ramey, Superintendent
Knox County Utility Commission

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

For the Month of: Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	WATER PRODUCED, PURCHASED & DISTRIBUTED		
2	Water Produced	8,330	
3	Water Purchased	7,945	
4	TOTAL PRODUCED AND PURCHASED	16,275	
5			
6	WATER SALES		
7	Residential	10,463	
8	Commercial	451	
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales <u>Tax Exempt</u>	1,258	
13	TOTAL WATER SALES	12,170 74.8%	
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant	162	
17	Wastewater Plant		
18	System Flushing	850	
19	Fire Department	625	
20	Other <u>Computer Adjustments & Misc.</u>	601	
21	TOTAL OTHER WATER USED	2,238 13.8%	
22			
23	WATER LOSS		
24	Tank Overflows		
25	Line Breaks	1,500	
26	Line Leaks	367	
27	Other _____		
28	TOTAL LINE LOSS	1,867 11.5%	
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	WATER LOSS PERCENTAGE		
33	Unaccounted-For Water (Line 28 divided by Line 4)	11.5%	

