

**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
ESTILL COUNTY WATER DISTRICT NO. 1
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 10, 2019

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CERTIFICATION OF RESPONSE OF ESTILL COUNTY WATER

DISTRICT NO. 1

**TO
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: January 10, 2019



Audrea Miller, Office Manager
Estill County Water District No. 1

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Audrea Miller

- 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 Estill County Water District purchases water from Irvine Municipal Utilities at (3) three different points and from Jackson County Water Association at (1) one point.
- a. Estill County Water District uses an Excel spreadsheet to track water loss.
 - b. Please see Exhibit 1A
 - c. The spreadsheet in Exhibit 1A is provided by Kentucky Rural Water Association.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Audrea Miller

- 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. Line #2-Water Produced- Indicates all water produced by the utility.
Line #3-Water Purchased-Indicates all water purchased by the utility from another source.
Line #4-Total Produced & Purchased-Indicates the total of all water purchased or produced by the utility. It's the sum of lines 2-3.
Line #7-Residential-Indicates all water sold to customers with a residential rate code.
Line #8-Commercial-Indicates all water sold to customers with a commercial rate code.
Line #9-Industrial-Indicates all water sold to customers with an industrial rate code.
Line #10-Bulk Loading Stations-Indicates all water distributed at any bulk loading stations. (Estill County Water District does not have bulk loading stations)
Line #11-Resale-Indicates all water sold by the Estill County Water District to wholesale customers for resale.
Line #12- Other Sales-Indicates water sold to any other entity not listed above.
Line #13-Total Water Sales-Indicates the total water sold by the utility. It's the sum of lines 7-12.
Line #16-Utility and/or Water Treatment Plant-Indicates water used by the utility to produce potable water. (Estill County Water District is distribution only)
Line #17-Wastewater Plant- Indicates any water used for the treatment of wastewater should the utility operate a WWTP.
Line #18- System Flushing- Indicates water used for routine system flushing.
Line #19- Fire Department-Indicates reported water usage from county fire departments including calculated water for non-reporting fire.

Line #20-Other-Indicates any water written off for non-metered customer use, illegal usage, customer usage adjustments, or any water that the utility used in daily operations.

Line #22-Total Other Water Used-Indicates the sum of lines 16-20.

Line #24- Tank Overflows-Indicates water lost thru water tank overflow.

Line #25-Line Breaks- Indicates water lost for line breaks due to material failure, outside force, or improper installation.

Line #26-Line Leaks- Indicates water lost during leak repairs.

Line #27-Other-Indicates water not listed in lines 24-26.

Line #28-Total Line Loss-Is the sum of lines 24-27.

Line #33- Line 28 divided by Line 4-Indicates the calculated water loss percentage.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Audrea Miller

- 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.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Audrea Miller

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. No suggestions.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Audrea Miller

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.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Audrea Miller

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. No concerns.

ESTILL COUNTY WATER DISTRICT NO. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Audrea Miller

- 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. Estill County Water District believes that is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use uniform reports whether it be the Commission's form described and attached as Appendix A or the form that has been provided by the Kentucky Rural Water Association.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Estill County 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 10, 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.



Audrea Miller, Office Manger
Estill County Water District No. 1

Monthly Water Loss Report

Water Company: Estill County Water District

For the Month of: DECEMBER

Year:

Water Purchased @ Irvine Bridge	<input style="width: 100%;" type="text"/>	gallons
Water Purchased @ Dry Branch	<input style="width: 100%;" type="text"/>	gallons
Water Purchased @ Sweet Lick	<input style="width: 100%;" type="text"/>	gallons
Water Purchased @ Jackson Co.	<input style="width: 100%;" type="text"/>	gallons

A: Total Water Purchased = **0 gallons**

Water Sold @ Irvine Bridge	<input style="width: 100%;" type="text"/>	gallons
Water Sold @ Dry Branch	<input style="width: 100%;" type="text"/>	gallons
Water Sold @ Sweet Lick	<input style="width: 100%;" type="text"/>	gallons
Water Sold @ Jackson Co.	<input style="width: 100%;" type="text"/>	gallons
Total Sold =		0 gallons

Difference @ Irvine Bridge	<input style="width: 100%;" type="text"/>	gallons
Difference @ Dry Branch	<input style="width: 100%;" type="text"/>	gallons
Difference @ Sweet Lick	<input style="width: 100%;" type="text"/>	gallons
Difference @ Jackson Co.	<input style="width: 100%;" type="text"/>	gallons

B: Difference: (Produced Purchased) - Sold = **0 gallons**

% Difference @ Irvine Bridge	<input style="width: 100%;" type="text"/>	%
%Difference @ Dry Branch	<input style="width: 100%;" type="text"/>	%
%Difference @ Sweet Lick	<input style="width: 100%;" type="text"/>	%
%Difference @ Jackson Co.	<input style="width: 100%;" type="text"/>	%
% Difference =		#DIV/0! % total water

Gallons of Water Accounted For:

Breaks (Estimated Total)	<input style="width: 100%;" type="text"/>	gallons
Hydrant Flushing	<input style="width: 100%;" type="text"/>	gallons
Storage Tank Overflow	<input style="width: 100%;" type="text"/>	gallons
Fire Department Use	<input style="width: 100%;" type="text"/>	gallons
Other	<input style="width: 100%;" type="text"/>	gallons

C: Total Gallons Accounted For = **0 gallons**

Loss: Unaccounted-for Water: (B-C) = **0 gallons**

% Loss: Unaccounted-for Water: (B-C)/A %= **#DIV/0! % unaccounted - for loss**

days in month

Gallons / Day Loss = **#DIV/0! gallons/day**

Gallons / Minute Loss = **#DIV/0! gallons/min.**

Total Gallons Lost Divided by 1,000

Exhibit 1A