

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

RESPONSE OF
CRITTENDEN/LIVINGSTON CO WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018

FILED: January 22, 2019

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CERTIFICATION OF RESPONSE OF CRITTENDEN/LIVINGSTON CO
WATER DISTRICT TO COMMISSION'S REQUEST FOR INFORMATION

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

Date: 1/22/2019

District

Ronnie Slayden, Superintendent
Crittenden/Livingston Co Water

Crittenden/Livingston Co Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Ronnie Slayden

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 water District tracks, measures, and calculates water loss using an Excel spreadsheet. We impute the amount of water pumped for the month from the raw water pumps, subtract the amount of water sold (both residential and wholesale). From the remaining gallons the Water District subtracts the amount of water used by the plant, the amount of water flushed, the amount used by the local fire departments, and other amounts (this would be water that is used by the District but does not fit into the other categories i.e. disinfecting tanks). The remaining gallons is considered the lost water for the month. This number is then divided by the amount of raw water pumped to give a percentage of water lost for the month.

- a. The Water District tracks, measures, and calculates water loss using an Excel spreadsheet.
- b. Please see attached spreadsheet titled "Water Loss Report"
- c. The base form was provided by the Public Service Commission.

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Question No. 2

Responding Witness: Ronnie Slayden

- 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. 1. Water Produced, Purchased and Distributed: This is the amount of water that is produced or purchased by the Water District, this is the base amount. For Crittenden/Livingston Co Water District this would be the raw water withdrawn from our source.
2. Water Produced: This is the amount of water that the District produces, for Crittenden/Livingston Co Water District this is the raw water pumped from our source.
3. Water Purchased: Crittenden/Livingston Co Water District does not buy any water.
4. Total Produced and Purchased: This is the combined amount of line two and three.
6. Water Sales: This is the amount of water the District sells to its customers. Each category is broken down by rates which are set by the District's tariff.
7. Residential: This is the water that is sold to individual customers/home owners.
8. Commercial: This is water that is sold to small businesses
9. Industrial: Crittenden/Livingston Co Water District does not have any Industrial Customers

10. Bulk Loading Stations: These are stations that are equipped to sell water in bulk for water trailers or home owners with cisterns.
11. Resale: This is water that is sold with the express purpose to be resold to the public i.e. other water districts and cities. We have 5 wholesale customers.
12. Other Sales: Any water sold that does not fit into the categories seven through eleven.
13. Total Water Sales: This is the total amount of water sold from categories seven through twelve.
15. Other Water Used: This is the water used by the Water District in the production and delivery of potable water.
16. Utility/water treatment plant: This is any water that is used in the production of water at the Water District's water treatment plant i.e. backwashing filters. Crittenden/Livingston Co Water District finds this number by subtracting the amount of water pumped from the high service pumps from the raw water pumps.
17. Wastewater plant: Any water that is used in the treatment or operation of waste water facility. Crittenden/Livingston Co Water District does not have a wastewater facility.
18. System Flushing: Water that is flushed from the distribution system to either facilitate water quality or chlorine levels i.e. flushing dead water to raise CL2 levels or flushing mains after a line break.
19. Fire Department: Any water that is used by the local fire departments either in training or fighting of fires.
20. Other: Any water that does not fit into categories sixteen through nineteen i.e. flushing TTHM and HAAS sites.
21. Total Other Water Used: The sum of water in categories sixteen through twenty.

23. Water Loss: Any water that has not been included in water used or water sold. This would be water that has not been used in the production or distribution of water or been sold to customers.

24. Tank Overflows: Water lost due to the overfilling of water tanks.

25. Line Breaks: Water lost due to a main or service line breaks. This is water that is lost when transmission lines fail, resulting in a full flow break.

26. Line Leaks: Water lost due to a main or service line leaking. This is water that is lost when transmission lines are still partially functional but are losing water due to cracks or leaking joints.

27. Other: This would be water loss that does not fit into categories twenty-four through twenty-six, examples would be theft or unknown loss.

28. Total Line Loss: This is the sum of categories twenty-four through twenty-seven.

Note: Line 13 + Line 21 + Line 28 must equal Line 4: Total line categories must equal the total amount produced or purchased. This is so that all water is accounted for in some form or fashion.

32. Water Loss Percentage: This is the amount of water lost that did not benefit the Water District either through production or revenue. The percentage of water lost is achieved by dividing line twenty-eight by line four.

33. Line 28 divided by Line 4: The formula to find the water lost percentage.

Crittenden/Livingston Co Water District
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Question No. 3

Responding Witness: Ronnie Slayden

- 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. Crittenden/Livingston Co. Water District does not currently have any questions. Without prior knowledge of how the Commission intends to utilize the form the District cannot formalize any questions.

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Response to Commission's Request for Information

Question No. 4

Responding Witness: Ronnie Slayden

- 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. Crittenden/Livingston Co Water District does not currently have any suggestions or improvements.

Crittenden/Livingston Co Water District
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Response to Commission's Request for Information

Question No. 5

Responding Witness: Ronnie Slayden

- 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. Crittenden-Livingston Co Water District does not currently have any questions.

Crittenden/Livingston Co Water District
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Response to Commission's Request for Information

Question No. 6

Responding Witness: Ronnie Slayden

- 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. Crittenden/Livingston Co Water District has no concerns at this time.

Crittenden/Livingston Co Water District
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Response to Commission's Request for Information

Question No. 7

Responding Witness: Ronnie Slayden

- 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. Crittenden/Livingston Co Water District has no objection to the new form.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Crittenden/Livingston Co Water District 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 22, 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.

Ronnie Slayden, Superintendent