

**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  
CALDWELL COUNTY WATER DISTRICT  
TO  
COMMISSION'S REQUEST FOR INFORMATION  
DATED DECEMBER 18, 2018**

**FILED: January 15, 2019**

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

**In the Matter of:**

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

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

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

Date: 1.15.2019

**JIMMY LITTLEFIELD**  
Jimmy Littlefield, CEO  
Caldwell County Water District

**Caldwell County Water District**

**CASE NO. 2018-00394**

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

**Question No. 1**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District calculates water loss monthly by using the Water Purchased and Sold Per Master Meter Report that is generated in Excel. The beginning and ending monthly readings for each of the 10 master meters are entered and usage is calculated for each master meter, then the individual master meter usages are added together to obtain the total amount of water purchased for the month. After billing is completed the billing register calculates the usage per master meter. Those totals are compared with gallons purchased vs. gallons sold for the month. The difference between water sold and water purchased divided by water purchased is the water loss. Any necessary adjustments are made for flushing, leaks, sabotage, and fire department usage.

- a. Caldwell County Water District uses an Excel spreadsheet to calculate it's water loss.
- b. Caldwell County Water District has included a copy of the Excel Spreadsheet used for water loss.

**(See attached Spreadsheet)**

- c. Caldwell County Water District uses an Excel spreadsheet provided by Kentucky Rural Water Association.

**Caldwell County Water District**

**CASE NO. 2018-00394**

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

**Question No. 2**

**Responding Witness: Jimmy Littlefield**

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. Water Statistics (ref. page 30)

1. Tracking of all water purchased and sold
2. Caldwell County Water District purchases water
3. Total amount of water purchased (gallons)
4. Total amount of water purchased by Caldwell County Water District
6. Total amount of water sold by Caldwell County Water District  
Customer's including commercial, residential, ag, other
7. Total of all water sold to residential customers only
8. Total of all water sold to commercial customers only
9. Total of all water sold to industrial customers (not used by Caldwell  
County Water District)
10. Bulk loading stations (not used by Caldwell County Water District)
11. Total of all water sold to resale (wholesale) customers (not used by  
Caldwell County Water District)

12. Other sales are the customers that are a business, but are tax exempt, i.e. churches
13. Total water sold to residential, commercial, ag and other customers
15. Total water used for flushing, or any other water used
16. Caldwell County Water District does not have a water treatment plant
17. Caldwell County Water District does not have a wastewater plant
18. Total gallons of water used for flushing or maintenance of the water system
19. Total gallons of water used by the fire department
20. Water that is stolen, sabotage
21. Total of all water usage that can be accounted for
23. The difference between water purchased and water sold plus any flushing or leaks or water loss that can be accounted for
24. Gallons of water lost due to tank overflow
25. Gallons of water lost due to line breaks
26. Gallons of water lost due to line leaks
27. All lost water that can not be accounted for by known tank overflows, line breaks, or leaks
28. Total gallons lost – tank overflows, leaks, breaks

32. The difference between water purchased and water sold plus leaks plus breaks plus sabotage = water loss percentage

33. Water accounted for from sales, breaks, leaks. The percentage of the amount of water which was lost within the Caldwell County Water District system as compared to the amount of water that entered the system.

**CALDWELL COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 3**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District has no questions regarding how to use the updated Commission Form.



**CALDWELL COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 4**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District has no suggestions or improvements.

**CALDWELL COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 5**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District has no questions.

**CALDWELL COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 6**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District has no concerns.

**CALDWELL COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 7**

**Responding Witness: Jimmy Littlefield**

- 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. Caldwell County Water District believes it is reasonable, proper, and appropriate for the Commission to require water utilities to use the updated Commission Form described and attached as Appendix A

## CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Caldwell 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 15, 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.

JIMMY LITTLEFIELD  
Jimmy Littlefield, CEO

## Monthly Water Use Report

Water Utility: Caldwell County Water District PWSID: KY0170528

For the Month of: December Year: 2019

1 PRODUCTION COST PER THOUSAND (insert cost)   
 2 PURCHASE COST PER THOUSAND (insert cost)

**GALLONS**

**WATER PRODUCED or PURCHASED**

3 Water Produced   
 4 Water Purchased   
 5 **TOTAL PRODUCED AND PURCHASED** 0  
 6 **TOTAL COST**

**WATER SOLD**

7 Residential   
 8 Commercial   
 9 Industrial   
 10 Bulk Loading Stations   
 11 Wholesale   
 12 Other Sales (explain)   
 13 **TOTAL WATER SOLD** 0  
 14 **TOTAL WATER NOT SOLD** 0

**BREAKDOWN OF WATER USAGE**

15 Water Treatment Plant   
 16 Wastewater Treatment Plant   
 17 System Flushing  0  
 18 Fire Department Usage  0  
 19 Other Usage (explain)

20 **TOTAL USAGE** 0

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES**

**BREAKDOWN OF WATER LOST**

22 Tank Overflows   
 23 Excavation Breaks  0  
 24 Repaired Line Breaks  0  
 25 Unknown Loss  0

26 **TOTAL WATER NOT SOLD OR USED** 0

27 **COST OF WATER NOT SOLD OR USED**

**"UNKNOWN LOSS" FLOW RATE AND COST:**

28 "Unknown Loss" 0  
 29 % "Unknown Loss"  
 30 Number of Days in Period  31  
 31 "Unknown Loss" per Day (Gallons per Day) 0  
 32 "Unknown Loss" per Minute (GPM) 0.00  
 33 "Unknown Loss" Cost for Month



