

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

Adair County Water District d/b/a
Columbia/Adair Utilities District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 14, 2019

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CERTIFICATION OF RESPONSE OF ADAIR COUNTY WATER DISTRICT d/b/a
COLUMBIA/ADAIR UTILITIES DISTRICT TO
COMMISSION'S REQUEST FOR INFORMATION

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

Date: 1-14-19


Lennon Stone, General Manager
Columbia/Adair Utilities District

Columbia/Adair Utilities District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Lennon Stone

- Q1. 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.
- A1. Columbia/Adair Utilities District daily records all master meter readings, leak totals, and flushing totals. Monthly we gather information from the local fire departments, bulk loading stations, water treatment plant and other utilities from which we purchase water. We take the total water produced and purchased subtract all water sold then adjust flushing, fire department usage, water plant , office and sewer plant usages to calculate our monthly water loss.
- a. Columbia/Adair Utilities District uses the Monthly Water Use Report.
 - b. A copy of the Monthly Water Use Report is attached.
 - c. Kentucky Rural Water Association.

Columbia/Adair Utilities District

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Response to Commission's Request for Information

Question No. 2

Responding Witness: Lennon Stone

Q2. 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.

A2

- Line 2 Water Produced-- Total water produced by utility.
- Line 3 Water Purchased--Total water purchased by utility.
- Line 4 Total Produces and Purchased-- Total of water produced and purchased by utility.
- Line 7 Residential—includes all water sold to residential customers.
- Line 8 Commercial—includes all water sold to commercial customers.
- Line 9 Industrial—includes all water sold to industrial customers.
- Line 10 Bulk Loading Stations—includes all water distributed at bulk loading stations.
- Line 11 Wholesale—includes all water sold by CAUD to other utilities or entities for resale.
- Line 12 Other Sales—Includes water sold to any other entity not listed above.
- Line 13 Total Water Sales—Total of all water sold by the utility for the month.
- Line 16 Utility and/or Water Treatment Plant—Water used by Water Treatment Plant to produce potable water.
- Line 17 Wastewater Plant—Water used by wastewater plant for treatment of wastewater.
- Line 18 System Flushing—all water used for flushing within the system.
- Line 19 Fire Department—Water used by local fire departments for training and fighting fires.

Line 20 Other—Includes water written off for customer adjustments, illegal usage, non-metered customer usage or utility in daily operations.

Line 21 Total Other Water used—Total of water from lines 16-20.

Line 24 Tank Overflows—includes all water from tank overflows.

Line 25 Line Breaks—includes all water reported from line breaks due to outside force, failure of materials or improper installation.

Line 26 Line Leaks—includes all water reported from leak repairs.

Line 27 Other—Includes water not listed in lines 24-26.

Line 28 Total Line Loss—Total of items in lines 24-27.

Line 33 Unaccounted for Water is obtained by dividing answer in line 28 by line 4 which is all unaccounted water loss.

Columbia/Adair Utilities District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Lennon Stone

- Q3. State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this order.

- A3. Columbia/Adair Utilities District does not have any questions regarding the updated Commission Form in Appendix A.

Columbia/Adair Utilities District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Lennon Stone

- Q4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this order.

- A4. Columbia/Adair Utilities District has no suggestions or improvements for the form in Appendix A.

Columbia/Adair Utilities District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Lennon Stone

- Q5. 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.
- A5. Columbia/Adair Utilities District has no questions regarding how to incorporate the form in Appendix A into the annual reports.

Columbia/Adair Utilities District

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Response to Commission's Request for Information

Question No. 6

Responding Witness: Lennon Stone

Q6. State any concerns you have regarding the use of the updated Commission Form described and attached as Appendix A to this Order.

A6. Columbia/Adair Utilities District has no concerns.

Columbia/Adair Utilities District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Lennon Stone

- Q7. 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.
- A7. Columbia/Adair Utilities District believes it is reasonable, proper, and appropriate for all jurisdictional water utilities to maintain and use the updated Commission form in Appendix A. This form can aid in tracking water loss along with proper monitoring of each system daily.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Adair County Water District d/b/a Columbia/Adair Utilities 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 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 by the US Postal Service standard mail delivery; mailed this day January 14, 2019 from Columbia, KY 42728.

A handwritten signature in cursive script that reads "Lennon Stone". The signature is written in black ink and is positioned above a solid horizontal line that extends to the right.

Lennon Stone, General Manager

Monthly Water Use Report

Water Utility: PWSID:

For the Month of: Year:

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 add 2 sales
 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 (insert number of days in month) Number of Days in Period
 31 "Unknown Loss" per Day (Gallons per Day)
 32 "Unknown Loss" per Minute (GPM)
 33 "Unknown Loss" Cost for Month