

**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

Larue County Water District #1

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 7, 2019

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**CERTIFICATION OF RESPONSE OF [Larue County Water District #1] TO
COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of Larue County Water District #1's Response to the Commission's Request for Information. The response submitted on behalf of Larue County Water District #1 is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1-7-19



Tim Bartley, Manager
Larue County Water District #1

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Tim Bartley

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. *At Larue County Water District #1 (LCWD), the water loss is calculated monthly by using the meter usage report with the number of gallons sold to all customers. Generated by the billing system. Each master meter reading gives the total amount purchased. The difference in water sold and purchased is our water loss when then adjust for flushing and fire department use.*

- a. *The LCWD has for a long time used an excel spreadsheet provided to us by Kentucky Rural Water Association (KRWA)*
- b. *See attached spreadsheet.*
- c. *KRWA is the provider of the spreadsheet used.*

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Tim Bartley

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 bought and sold
2. Purchase only
3. The total amount of gallons purchased
4. The total amount of gallons purchased by LCWD
6. The total amount of water sold to LCWD's customers including residential, commercial, and industrial
7. This is the total of all water sold to residential customers only
8. This is total of all commercial customers only
9. This is the total of all industrial customers only
10. No loading station
11. No resale, LCWD does not resale

12. LCWD does not have any other means of sale
13. Total of residential, commercial, and industrial
15. Flushing or maintenance flushing
16. No treatment plant
17. No wastewater plant
18. All flushing for maintenance reasons
19. All use of fire department training and emergencies
20. Possibly could be stolen water, meter malfunctions
21. The total of all accounted for water used that is known
23. The difference between purchased and sold, plus flushing
24. Any calculated tank overflows for maintenance
25. Known line breaks with estimated water loss
26. Known line breaks with estimated water loss
27. Known issues that may be discovered
28. The total of all known overflows, leaks, or breaks
32. The difference between purchased and sold leaks, plus leaks, plus breaks, plus flushing
33. Sold, breaks, leaks, fire department usage, flushing, etc. All added to get total, then divided 4.

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Tim Bartley

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

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Tim Bartley

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 questions

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Tim Barley

- 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

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Tim Barley

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

Larue County Water District #1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Tim Bartley

- 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. LCWD is currently using water loss spreadsheets

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Larue County Water District #1'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 8, 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.



Tim Bartley

Water Use Report

Water Utility: Larue County Water District #1 PWSID: KY0620237

For the Month of: January Year: 2018

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
 18 Fire Department Usage
 19 DBP Flushing

20 **TOTAL USAGE** 0
 21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES**

BREAKDOWN OF WATER LOST

22 Tank Overflows
 23 Excavation Breaks
 24 Repaired Line Breaks
 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 days of operation during 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