

**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

Lyon County Water District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED December 18, 2018

FILED: January 10, 2019

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

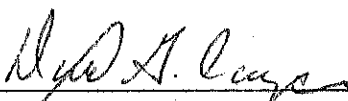
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CERTIFICATION OF RESPONSE OF LYON COUNTY WATER DISTRICT TO
COMMISSION'S REQUEST FOR INFORMATION

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

Date: 01/10/2019


Dixie G. Cayce, Superintendent
Lyon County Water District

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Dixie G. Cayce

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 Lyon County Water District calculates water loss by using the gallons purchased (each meter gives the amount purchased) and subtracting the number of gallons sold to all customers (amount sold is generated by billing system). The difference in water sold and purchased is our water loss when adjusted for flushing and fire department usage.

- a. Lyon County Water District uses the spreadsheet provided by the Public Service Commission.
- b. See attached spreadsheet.
- c. Lyon County Water District uses the spreadsheet provided by Kentucky Rural Water Association to calculate water loss from leaks.
- d. See attached spreadsheet.

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Lyon County Water District

For the Month of: January Year: 2017

LINE #	ITEM	GALLONS (Omit 1000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED	
2	Water Produced	
3	Water Purchased	
4	TOTAL PRODUCED AND PURCHASED	
5		
6	WATER SALES	
7	Residential	
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Other Sales	
13	TOTAL WATER SALES	#DIV/0!
14		
15	OTHER WATER USED	
16	Utility and/or Water Treatment Plant	
17	Wastewater Plant	
18	System Flushing	
19	Fire Department	
20	Other	
21	TOTAL OTHER WATER USED	#DIV/0!
22		
23	WATER LOSS	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	
27	Other	
28	TOTAL LINE LOSS	#DIV/0!
29		
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4	
31		
32	WATER LOSS PERCENTAGE	
33	Unaccounted-For Water (Line 28 divided by Line 4)	#DIV/0!

Fire Department - Water Usage Report Form

(RS 278.170(3) 807 KAR 5:095 Section 9)

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district ("User") may withdraw water from the utility's water distribution system for the purpose of fighting fires or training firefighters at no charge on the condition that it maintains estimates of the amount of water used for fire protection and training during the calendar month and reports the amount of this water usage to the utility no later than the 15th day of the following calendar month.

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district that withdraws water from the utility's water distribution system for fire protection or training purposes and fails to submit the required report on water usage in a timely manner shall be assessed the cost of this water.

A non-reporting user's usage shall be presumed to be 0.3 percent of the utility's total water sales for the calendar month.

	(name of Fire Department)	Month	
		Year	
	(name of Water System)		

unit conversion factor	29.83
coefficient value	0.95

Date	Hydrant Location and/or Number	Reason Operated	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated Flow if Pitot not used

Total Gallons for Month 0

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Dixie G. Cayce

- 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. Lyon County Water District already tracks this information monthly and works with our auditor to compile information and file with PSC our annual report. Staff is aware of the page 30 in the annual report and we have no problem tracking this information.

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Dixie G. Cayce

- 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.

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Dixie G. Cayce

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

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Dixie G. Cayce

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

Lyon County Water District

CASE No. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Dixie G. Cayce

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

Lyon County Water District

CASE No. 2018-00394

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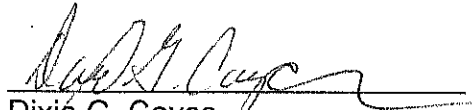
Question No. 7

Responding Witness: Dixie G. Cayce

- 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. I believe it is reasonable for PSC to require documentation and helping regulated agencies track water loss.

CERTIFICATE OF SERVICE

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


Dixie G. Cayce