

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)	
JUDISDICTIONAL WATER)	
UTILITIES)	

RESPONSE OF
CAWOOD WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18' 2018

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

ELECTRONIC INVESTIGATION)	
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WATER LOSS BY KENTUCKY'S)	
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CERTIFICATION OF RESPONSE OF CAWOOD WATER DISTRICT TO COMMISSION'S REQUEST FOR
INFORMATION

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

Date: 1-10-2019



Grant Cooper, General Manager

Cawood Water District

CAWOOD WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 1

RESPONDING WITNESS: GRANT COOPER

Question 1:

Explain in detail the manner in which you measure, calculate, and track water loss, and:

- a. Identify whether you use and 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.

Response 1:

Cawood Water District calculates water loss on a monthly basis by using a master meter on the water that was treated by the plant and pumped to tanks for supplying customers. The meters are then read each month and the total that is giving by the billing system provides the total amount that our customers have used each month. We also purchase water from Pineville Water Utility's for the Pathfork system, on that we take the bill that we receive from Pineville Water Utility's and take away the billing system customers usage. The difference between the water treated and purchased is our water loss after adjusting for flushing, fire hydrant usage, and line breaks, and other usages as identified on our reporting form.

- a. Cawood Water District uses an excel spreadsheet provided by Kentucky Rural Water Association.
- b. See attached Spreadsheet
- c. Kentucky Rural Water Association provided the spreadsheet

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 2

RESPONDING WITNESS: GRANT COOPER

Question 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.

Response 2: Water Statistics (reference Page 30)

1. This section asks for the produced cost per thousand gallons.
2. This section asks for the purchase cost per thousand gallons.
3. This section asks for the total produced water.
4. This section asks for the total purchased water.
5. This section gives you the total produced and purchased water.
6. This section gives you the total cost.
7. This section is where you put in the total residential gallons used.
8. This section is where you put in the total commercial gallons used.
9. This section is where you put the industrial gallons used.
10. Cawood Water District dose not have any Bulk Loading Stations.
11. Cawood Water District dose not have any Wholesale.
12. Total of all water sales calculated.
13. This section gives you total water sold.
14. This section gives you total water not sold.
15. This section asks for any water used at the plant.
16. Cawood Water District dose not have Wastewater Treatment Plant.
17. This section asks for any Flushing out of the system (lines, blow offs, and fire hydrant).
18. This section askes for any use of a Fire Department that has a fire that month.
19. This section askes for Disinfecting By Products (flushing tanks, lines, and blow offs).
20. This section gives you total usage
21. This section gives you water loss percentage for rate purposes.
22. This section gives you tank overflows (running tank over full).
23. This is the section where you input is someone digs in to on of the lines
24. This is the section you put the loss in for breaks and repairs

Response 2: Continued

25. This section is where you put loss for leaks not found, meters not working right.
26. This section gives you total water not sold or used.
27. This section gives you cost of water not sold or used.
28. This section gives you total loss of known leaks, breaks, and overflows are calculated here.
29. This give you the percentage of unknow lose.
30. This gives you number of days in the operation month.
31. This gives you unknown lose per day (how many gallons a day you are losing per day).
32. This section gives you how many gallons per minute
33. This section gives you the cost for unknown loss for the Month.

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 3

RESPONDING WITNESS: GRANT COOPER

Question 3:

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

Response 3:

Cawood Water District has no questions regarding this form.

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 4

RESPONDING WITNESS: GRANT COOPER

Question 4:

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

Response 4:

Cawood Water District has no suggestions and improvements at this time.

CAWOOD WATER DISTRICT

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 5

RESPONDING WITNESS: GRANT COOPER

Question 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.

Response5:

Cawood Water District has no questions at this time.

CAWOOD WATER DISTRICT

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 6

RESPONDING WITNESS: GRANT COOPER

Question 6:

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

Response 6:

Cawood Water District has no concerns currently.

CAWOOD WATER DISTRICT

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RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 7

RESPONDING WITNESS: GRANT COOPER

Question 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 as Appendix A to this Order. Fully explain your answer.

Response 7:

Cawood Water District is currently using monthly water loss spreadsheets in its reporting. We believe it is reasonable to maintain and use the updated Commission Form in Appendix A.

Monthly Water Use Report

Water Utility: PWSID:

For the Month of: Year:

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

GALLONS

WATER PRODUCED or PURCHASED

3 Water Produced
 4 Water Purchased
 5 **TOTAL PRODUCED AND PURCHASED**
 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**
 14 **TOTAL WATER NOT SOLD**

BREAKDOWN OF WATER USAGE

15 Water Treatment Plant
 16 Wastewater Treatment Plant
 17 System Flushing
 18 Fire Department Usage
 19 DBP Flushing DBP Maintenance
 20 **TOTAL USAGE**

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES**

BREAKDOWN OF WATER LOST

22 Tank Overflows (other than for DBP maintenance)
 23 Excavation Breaks
 24 Repaired Line Breaks
 25 Unknown Loss
 26 **TOTAL WATER NOT SOLD OR USED**
 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	<input type="text"/>
31	"Unknown Loss" per Day (Gallons per Day)	
32	"Unknown Loss" per Minute (GPM)	
33	"Unknown Loss" Cost for Month	

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Cawood Water District filing of this response is 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. That an original paper medium of this response will be delivered to the Public Service Commission within two business days.



Grant Cooper

General Manager Cawood Water District