

**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
FRANCIS WATER CO. INC.
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 17th, 2019

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

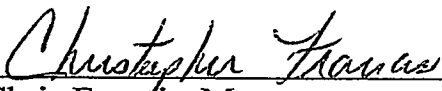
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**CERTIFICATION OF RESPONSE OF FRANCIS WATER CO. INC. TO
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1-17-2019 _____



Chris Francis, Manager
Francis Water Co. Inc.

Francis Water Co Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Chris Francis

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. Francis Water Co. Inc.

a Water Purchased

- Water Sold
- Total Water Lost
- Own Use Water
- Accounted for Water
- Unaccounted for Water
- PSC Water Loss Percentage Insert response

b. Total Water Lost is calculated as the difference between water purchased and water sold. Own Use Water is the sum of water used for flushing, fire protection, and tank maintenance. Accounted for Water is the sum of water lost and attributed to specific main line leaks, service line leaks, and tank overflows. Unaccounted for Water is calculated as follows: Total Water Lost less Own Use Water less Accounted for Water. PSC Water Loss Percentage is calculated as follows: (Total Water Lost less Own Use Water) divided by Water Purchased.

Q-1 a. Francis Water spreadsheets for tracking water loss calculation sheet in Excel.

Q-1 b. See attached Exhibit 1

Q-1 c. Francis Water created form and system

Francis Water Co. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Chris Francis

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 (reference Page 30)

1. This section includes all water produced and purchased.
2. Total water produced.
3. Total water purchased.
4. Total amount of gallons produced and purchased.
6. This section represents the Total of water sold to system customers.
7. Total of water sold to Residential Customers only.
8. Total of water sold to Commercial Customers only.
9. Total of water sold to Industrial Customers only.
10. Total water sold through a Bulk Loading Station.
11. Total of water resold.
12. Other water sold not included in lines 7-11.
13. Total of all Water Sold.
15. The section represents all Other Water that is Used.
16. Water used for water treatment purposes.
17. Water used for wastewater treatment plant purposes.
18. Estimated water used for flushing.
19. Estimated water used for Fire Department usage.
20. Estimated water used for meter testing, weather related events, and other system issues.
21. Total of water used for Other Usages is totaled here.
23. Water Loss.
24. Estimated water lost due to tank overflows.
25. Estimated water loss due to line breaks.
26. Estimated water loss due to line leaks.
27. Other estimated water loss not included on Line 24 through Line 26.
28. Total estimated water loss.
32. Water Loss Percentage.

33. Total Water Loss Percentage as a percentage of Total Water Produced or Purchased.

Francis Water CO. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Chris Francis

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. None at this time

FRANCIS Water Co. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Chris Francis

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. Water theft needs to be included on accounted for water loss,
metered and unmetered

Francis Water Co. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Chris Francis

- 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. None at this time.

Francis Water Co. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Chris Francis

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 Water loss should be evaluated based on what is most cost effective for the utility and its customers in lieu of a fixed 15%. The AWWA Water Audit Software is the closest tool that provides those considerations.

Francis Water Co. Inc.

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Chris Francis

- 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. Francis Water Co. Inc., does believe that it is reasonable, and appropriate for the Commission to establish standards for water loss reporting and require utilities to use and maintain standard reporting method.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Francis Water Co. Inc. 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 17, 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.



Chris Francis