

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

In the Matter of:

**ELECTRONIC INVESTIGATION)
INTO THE MEASURING, RECORDING,)
AND REPORTING OF WATER LOSS BY) CASE NO. 2018-00394
KENTUCKY'S JURISDICTIONAL WATER)
UTILITIES)**

RESPONSE OF

Jessamine County Water District No. 1

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: JANUARY 10, 2019

COMMONWEALTH OF KENTUCKY
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ELECTRONIC INVESTIGATION)
INTO THE MEASURING, RECORDING,)
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**CERTIFICATION OF RESPONSE OF [Jessamine County Water District No. 1] TO
COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of Jessamine County Water District No. 1's Response to the Commission's Request for Information. The response submitted on behalf of Jessamine County Water District No. 1 is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1/10/19



Karen Lee, Office Manager
Jessamine County Water District No. 1

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Karen Lee

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 Jessamine County Water District No. 1 (JCWD1), the water loss is calculated monthly using the bill received monthly from City of Nicholasville (our source of water), Billing Report and Usage Summary Report generated by the billing system. The difference in water purchased and sold is our water loss then we adjust for line breaks, flushing and fire department use.

a. JCWD1 has always used an excel spreadsheet provided to us by Public Service Commission.

b. See attached spreadsheet.

c. Public Service Commission is the provider of the spreadsheet used.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Karen Lee

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. Water Produced, Purchased & Distributed. (Total water Purchased)
2. JCWD 1 only purchases.
3. The total amount of gallons purchased.
4. The total amount of gallons purchased by JCWD1.
6. Water Sales. (Known water sales)
7. Total amount of water sold to residential customers only.
8. Total amount of water sold to commercial customers only.

9. Total amount of water sold to industrial customers only.
10. No loading station.
11. No resale, JCWD1 does not resale.
12. JCWD1 has no other sales.
13. Total of residential and commercial sales.
15. Other Water Used. (Flushing and maintenance flushing)
16. No treatment plant.
17. No wastewater plant.
18. Flushing for maintenance reasons
19. All use of fire department training and emergencies
20. Meter malfunctions, some line breaks
21. The total of all accounted for known or scheduled water used.
22. Blank
23. Water Loss. (Estimated known water loss)

24. Pump malfunctions that may cause tank overflows:
25. Known line breaks with estimated water loss.
26. Known line breaks with estimated water loss.
27. Any other issues that may have caused water loss.
28. Total gallons lost and percentage of loss.
29. Blank
30. Blank
31. Blank
32. Blank
33. All items calculated to get water loss percentage.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Karen Lee

- 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. Not clear who Public Authorities includes in item #12.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Karen Lee

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 or improvements.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Karen Lee

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.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Karen Lee

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.

Jessamine County Water District No. 1

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Karen Lee

- 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. JCWD1 is currently using the Commission's form and it should be uniform across the board for all districts to use same form to accurately report water loss.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Jessamine County Water District No. 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 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 within two business days.



Karen Lee

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

For the Month of: Year:

| LINE # | ITEM | GALLONS (Omit 000'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! |