

**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**

**Green-Taylor Water District**

**TO**

**COMMISSION'S REQUEST FOR INFORMATION**

**DATED DECEMBER 18, 2018**

**FILED: January 15, 2019**

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

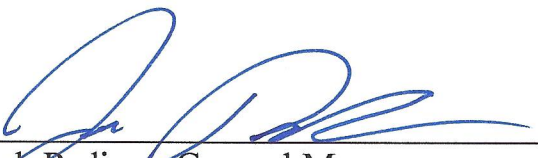
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<b>INTO THE MEASURING,</b>	)	
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<b>WATER LOSS BY KENTUCKY'S</b>	)	
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<b>UTILITIES</b>	)	

**CERTIFICATION OF RESPONSE OF Green-Taylor Water District TO  
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1/15/19

  
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Josh Pedigo, General Manager  
**Green-Taylor Water District**

## **Green-Taylor Water District**

**CASE NO. 2018-00394**

### **Response to Commission's Request for Information**

#### **Question No. 1**

##### **Responding Witness: Josh Pedigo**

- 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. Green-Taylor Water District purchases all water used in our distribution system and reads Master Meters Daily. Our Customers read their own meters and provide to us monthly readings along with their payments. Unread meters are estimated by our billing system. Green-Taylor uses Master Meter readings and readings provided by our wholesalers to calculate the total water purchased per month. Gallons sold to our residential and commercial customers is obtained from the selected codes report that is part of our monthly billing process. The foreman keeps a record of line breaks, water flushed, and tank overflows by calculating the difference in daily pump readings. The local Fire Departments send in monthly reports of water usage. The amounts are used to calculate the other water used and line loss. The line loss is divided by the total water purchased to calculate the percentage of water loss.
- a. Green-Taylor Water District used an approved Public Service Commission Monthly/ Annual Water Loss Spreadsheet.
  - b. See Attached Appendix A
  - c. Public Service Commission and Kentucky Rural Water Association both provide this downloadable workbook.

**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 2**

**Responding Witness: Josh Pedigo**

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. Green-Taylor Water District purchases all the water used in the distribution system.

Line1. Water Produced- Only a purchaser no water produced.

Line2. Water Produced- only a purchaser.

Line3. Water Purchased from wholesalers.

Line4. Total Water Purchased.

Line6. Water Sales.

Line7. Water Sold to Residential Customers.

Line8. Water Sold to Commercial Customers.

Line9. Industrial- No industrial customers.

Line10.-Bulk Loading Stations- No Bulk Loading.

Line11. Resale- No resale.

Line12. Other Sales- Left blank.

Line13. Total Water Sales.

Line15. Other Water Used.

Line16. Utility/ Water Treatment Plant- No Plant.

Line17. Wastewater Plant- No Plant.

Line18. System Flushing-Water Used to periodically flush our system after a line break.

Line19. Fire Department- Water used to fight fires reported monthly.

Line20. Other-Blank.

Line21. Total Other Water Used- Total of water used that is not billed to customers.

Line23. Water Loss- Water Loss that can be accounted for.

Line24. Tank Overflows- Water Loss for overflow due to malfunction.

Line25. Line Breaks- Water loss due to main or service break.



Line26. Line Breaks- Water loss due to main or service leaks that are not immediately obvious.

Line27. Other- Blank.

Line28. Total Line Loss- Total water loss due to breaks, leaks, tank overflows, all water sold used or lost must equal the amount of total water purchased.

Line32. Water Loss Percentage.

Line33. Line28 divided by line4- Total of water lost divided by the total water purchased equals the percentage of water lost. A high-water loss percentage means loss of revenue because we are a purchasing system only. This cost us not only in water loss but also in energy used to pump the water and time spent in overtime looking for leaks. This is why we are currently upgrading some of our aging infrastructure to prevent the problems in the future.

**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 3**

**Responding Witness: Josh Pedigo**

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

**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 4**

**Responding Witness: Josh Pedigo**

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. None

**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 5**

**Responding Witness: Josh Pedigo**

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



**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 6**

**Responding Witness: Josh Pedigo**

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. None.

**Green-Taylor Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

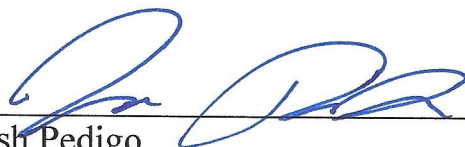
**Question No. 7**

**Responding Witness: Josh Pedigo**

- 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 very appropriate for this type of jurisdiction due to the fact we are a purchasing system only and we spend money on every drop of water that comes through the master meters. If we did not have or track water loss and we did have a high percentage of loss it would be money that is just flowing out onto the ground. This helps us track this and maintain an excellent water loss percentage which keeps money from being wasted in excess water buying due to high water loss. I also think it is not fair that city's not under Public Service Commission authority which we purchase the water from due not or worry about water loss they can flush high amounts of water onto the ground during sampling events to ensure that samples come back good. When we take entry point samples every month for record keeping it shows elevated numbers.

## CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that **Green-Taylor 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 15, 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.



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Josh Pedigo  
General Manger  
Green-Taylor Water District