

**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  
Western Mason County Water District  
TO  
COMMISSION'S REQUEST FOR INFORMATION  
DATED DECEMBER 18, 2018**

**FILED: January 9, 2019**

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

**In the Matter of:**

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

**CERTIFICATION OF RESPONSE OF  
WESTERN MASON COUNTY WATER DISTRICT  
TO COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1-9-2019



David French, manager  
Western Mason County Water District

# **WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

### **Question No. 1**

#### **Responding Witness: David French**

**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.** Western Mason Water has their own water source which is well water. We have daily withdrawals that we add each day for a total at the end of the month. We read meters and calculate bills for each month. Putting these numbers from our master meter and billing system in our spreadsheet we take a difference of water sold from the amount pumped and adjust off the amounts used for flushing, fire departments usages, leak loss, and water used at the plant and come up with our water loss. The spreadsheet we use we developed for our system and can just enter the numbers in monthly to continue a running total for the year. We have added other inputs into the spreadsheet that keeps track of our highest daily usage, lowest daily usage, amount we supplied to residential, commercial, and industrial, as well as amount we sell to

neighboring system. This spreadsheet we use keeps all our numbers in one place and is accessible to our personnel as well as our CPA doing the PSC annual report. All the numbers on our spreadsheet can be plugged into the annual report form.

- a. It is an Excel spreadsheet
- b. Attachment A
- c. Used information from both PSC, KRWA, and info requested by our CPA yearly doing the annual report and developed our own spreadsheet. We added to suggestions to come up with one simplified spreadsheet with all information in one place and had approved by, and copies provided to, DOW and PSC.

**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 2**

**Responding Witness: David French**

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. Tracking of water produced and sold. This is just a heading and needs no input.
2. Gallons of water produced if produced is entered here
3. Gallons of water purchased if purchased is entered here
4. Total of water purchased and produced. 2 and 3 are added here..
6. Water Sales. This is a heading no need for input.
7. Gallons of water sold to residential customers
8. Gallons of water sold to commercial customers
9. Gallons of water sold to industrial customers
10. Gallons of water used by Bulk loading stations
11. Gallons of water resold. This could be to other utility companies.
12. Any other sales of water.
13. Total water sales. This is total of 7 – 12.

- 15.Total of other water used
- 16.Gallons of water used by the treatment plant or utility company
- 17.Gallons of water used by a wastewater plant if used.
- 18.Gallons of water used for flushing lines and tanks of the system.
- 19.Gallons of water used by fire departments in the system.
- 20.Other water used but not paid for.
- 21.Total of all other water used but not paid or billed for.
- 23.The difference between produced/purchased and what is billed and unbilled will equal the water loss.
- 24.Gallons of water used if tanks have been overflowed.
- 25.Gallons of water lost in line breaks.
- 26.Gallons of water lost in leaks
- 27.Gallons of water lost that has not been found.
- 28.The amount of the total line loss
- 32.The difference between water produced and water billed plus leaks, fire, flushing, and other.
- 33.Total line loss is divided by total water produced.

**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 3**

**Responding Witness: David French**

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. We currently do this to track our water loss using our own form

**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 4**

**Responding Witness: David French**

- 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. I have no suggestions or improvements for the form.



**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 5**

**Responding Witness: David French**

- 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. I do not have any questions. All the numbers on the form transfer to the annual report.

**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 6**

**Responding Witness: David French**

- 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. I have no concerns regarding the use of the updated form. It is the same as what we have been doing for years.

**WESTERN MASON COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 7**

**Responding Witness: David French**

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 do find it reasonable to ask us to use this updated form. However, I would rather continue using our current spreadsheet. During PSC and DOW inspections, we are asked how we figure our water loss. Those forms and numbers are always reviewed and approved by both organizations. In trying to minimize paperwork and errors, we developed our own way of recording monthly what our production is, what our usages are, what our unaccounted for is, and our percentage of loss. Also, required in the annual report Ref Page 29, there are more statistics that have to be used in order to complete your annual report. Therefore, we created our form to include monthly numbers also needed along with our water loss. Our CPA asks for these numbers yearly so we include all in our spreadsheet for the yearly totals and is easy to keep up with on one form on a monthly basis. Highest daily usage, lowest daily usage, amount sold to neighboring system, as well as flushing, fire dept, and plant usage is all included in our spreadsheet. I would like to continue to use

the current form we have in place. Utility companies each have their own way of operating daily and in my opinion it really doesn't matter the way in which we arrive at the bottom line as long as we all do it the same way. We will do whatever is mandated of us to do but using what we have works well with our company and the agencies that require this information. Ultimately it would be nice for all agencies to share the same information we provide to each agency individually but until that time comes, if it ever does, we will do what is necessary.

## CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Western Mason 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 9, 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.



David French

## Water Loss Report for 2019

<u>Month</u>						<u>Total Consumption</u>
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sept						
Oct						
Nov						
Dec						
<b>Total Consumption</b>						-
<b>Estimated Leakage:</b>						
<b>Bulk</b>						
<b>Regular line flushing:</b>						
<b>Plant usage:</b>						
<b>Fire Department Usage:</b>						
<b>Total Other</b>						-
<b>Water Pumped</b>						
<b>Monthly Totals</b>						
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
<b>Water Pumped</b>						-
<b>Total Water Supplied</b>						
						-
<b>Gallons Water Loss</b>						
						-
<b>Percentage Water Loss</b>						
						#DIV/0!



## Water Loss Report for 2018

<u>Month</u>	<u>Total Consumption</u>
Jan	8,255,000
Feb	6,450,300
Mar	6,655,100
Apr	6,076,600
May	8,322,700
Jun	7,954,500
Jul	8,058,100
Aug	7,342,000
Sept	5,665,300
Oct	5,276,800
Nov	6,540,600
Dec	5,384,200
<b>Total Consumption</b>	<b>81,981,200</b>

<b>Estimated Leakage:</b>	<b>450,000</b>
<b>Bulk</b>	<b>258,600</b>
<b>Regular line flushing:</b>	<b>425,000</b>
<b>Plant usage:</b>	<b>320,000</b>
<b>Fire Department Usage:</b>	<b>500,000</b>
<b>Total Other</b>	<b>1,953,600</b>

<u>Water Pumped</u>	<u>Monthly Totals</u>
January	8,830,000
February	6,768,000
March	7,491,000
April	7,280,000
May	8,621,000
June	9,491,000
July	9,109,000
August	7,384,000
September	6,449,000
October	6,337,000
November	6,816,000
December	6,993,000
<b>Water Pumped</b>	<b>91,569,000</b>

**Total Water Supplied**                      **91,569,000**

**Gallons Water Loss**                              **7,634,200**

**Percentage Water Loss**                              **8.34%**



	<u>DATE</u>	<u>USAGE</u>	
<b>Max Day</b>	6/17/2018	395,000	
<b>Min Day</b>	10/11/2018	161,000	
<b>Water sold to:</b>			<b><u>Cust Count</u></b>
		11,709,000	1
<b>Consumption Breakdown Totals</b>			
Residential		66,849,800	1009
Commerical		3,163,800	24
Bulk		258,600	1
	<b>Total</b>	<b>70,272,200</b>	<b>1035</b>