

**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  
EAST CLARK COUNTY WATER DISTRICT  
TO  
COMMISSION'S REQUEST FOR INFORMATION  
DATED DECEMBER 18, 2018**

**FILED: January 11, 2019**

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

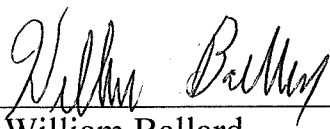
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<b>INTO THE MEASURING,</b>	)	
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<b>WATER LOSS BY KENTUCKY'S</b>	)	
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**CERTIFICATION OF RESPONSE OF EAST CLARK COUNTY  
WATER DISTRICT TO  
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: January 11, 2019

  
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William Ballard  
East Clark County Water District

# **EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

### **Question No. 1**

#### **Responding Witness: William Ballard**

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 East Clark County Water District (ECCWD), the water loss is calculated monthly by using customer usage and master meter usage. ECCWD is a distribution system, therefore we only purchase water. We are able to read our 2500 meters in one day, so we are able to know how much we sold between 2 dates and how much we purchased between 2 dates. The difference in water sold and water purchased is our water loss. We then adjust for flushing, line breaks and other water used by the district.

- A. ECCWD uses Excel Spreadsheets.
- B. See attached spreadsheet.
- C. East Clark County Water District Loss Report Spreadsheet.

**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 2**

**Responding Witness: William Ballard**

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 page 30.

1. Overview "Water Produced, Purchased, and Distributed"
2. ECCWD only purchase, we'll not use this line.
3. Total gallons purchased.
4. Total gallons purchased by ECCWD.
5. Overview "Water Sales"
6. Total of water sold to residential customers.
7. Total of water sold to commercial customers.
8. Total of water sold to industrial customers, we'll not use this line.
9. Loading stations,
10. ECCWD does not resale.
11. ECCWD has no other sales, we'll not use this line.
12. Total Residential and Commercial water sales.
13. Overview "Other Water Used"

14. No Water Treatment Plant, we'll not use this line.
15. No Wastewater plant, we'll not use this line.
16. Total gallons flushed for maintenance and water quality.
17. Fire protection.
18. Any other usage.
19. Total other water used.
20. Overview "Water Loss".
21. Gallons of water lost due to a tank overflow.
22. Line breaks
23. Line leaks.
24. Other lost water.
25. Total water loss.
26. Divide Total Line Loss by Total Water Purchased to obtain Water Loss Percentage for Ratemaking Purpose.

**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 3**

**Responding Witness: William Ballard**

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.

**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 4**

**Responding Witness: William Ballard**

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.

**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 5**

**Responding Witness: William Ballard**

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.



**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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

**Question No. 6**

**Responding Witness: William Ballard**

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.

**EAST CLARK COUNTY WATER DISTRICT**

**CASE NO. 2018-00394**

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


**Question No. 7**

**Responding Witness: William Ballard**

- 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. ECCWD believes it is reasonable, proper, and appropriate to use the Commission Form in Appendix A.

## CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that East Clark 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 10, 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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William Ballard

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>		
2	Water Produced		
3	Water Purchased		
4	<b>TOTAL PRODUCED AND PURCHASED</b>		
5			
6	<b>WATER SALES</b>		
7	Residential		
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales		
13	<b>TOTAL WATER SALES</b>	#DIV/0!	
14			
15	<b>OTHER WATER USED</b>		
16	Utility and/or Water Treatment Plant		
17	Wastewater Plant		
18	System Flushing		
19	Fire Department		
20	Other		
21	<b>TOTAL OTHER WATER USED</b>	#DIV/0!	
22			
23	<b>WATER LOSS</b>		
24	Tank Overflows		
25	Line Breaks		
26	Line Leaks		
27	Other		
28	<b>TOTAL LINE LOSS</b>	#DIV/0!	
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	<b>WATER LOSS PERCENTAGE</b>		
33	Unaccounted-For Water (Line 28 divided by Line 4)	#DIV/0!	

## Master Meter Readings/Water Loss Report

Changed	Date	Readings	Cubic Ft.	Gallons
Ecton	4"	12/19/2018	7039200	
4/27/2015	11/19/2018	6469250	569,950	4,263,226
Flanagan	5/8"	12/19/2018	201670	
12/20/2016	11/19/2018	151020	50,650	378,862
Flanagan	3"	12/19/2018	539300	
	11/19/2018	521900	17,400	130,152
Hughes	5/8"	12/19/2018	283915	
2/1/2017	11/19/2018	284035	(120)	-898
Hughes	3"	12/19/2018	341200	
	11/19/2018	341150	50	374
Elkin	1 1/2"	12/19/2018	06632	
12/12/2018	12/12/2018	00000	6,632	49,607
Elkin	1 1/2"	12/12/2018	2098950	
	11/19/2018	2074100	24,850	185,878
Two Mile	3"	12/19/2018	4132000	
6/25/2018	11/19/2018	3608600	523,400	3,915,032
Paris Rd.	3"	12/19/2018	5465600	
5/13/2015	11/19/2018	5394600	71,000	531,080
Ford	1 1/2"	12/19/2018	1019210	
5/13/2018	11/19/2018	1018300	910	6,807
Total Water Purchased				9,460,121
Water Sold - Utility Billing				8,103,100
Water Sold - Loading Stations				49,700
<b>TOTAL SOLD</b>				<b>8,152,800</b>
Water Used by Company				24,000
FLUSHING				Estimated 30,000
Line Loss and other Unaccounted water				1,253,321
Percentate of Line Loss [ Line Loss divided by water purchased				13.25%
Days in Month				30
GALLONS / DAY LOSS				41,777
GALLONS / MINUTE LOSS				29.0
Dollar value of water loss daily				\$96.09
				1