

**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)
Untitled attachment 02310)
(1).docxJURISDICTIONAL WATER)
UTILITIES)**

RESPONSE OF

Big Sandy Water District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 9, 2019

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BEFORE THE PUBLIC SERVICE COMMISSION**

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ELECTRONIC INVESTIGATION)	
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JURISDICTIONAL WATER)	
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**CERTIFICATION OF RESPONSE OF [TO
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1/9/19



Sherman R. McDaniels, Maintenance Supervisor
Big Sandy Water District

Big Sandy Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Sherman R. McDaniels

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. All customer meters are read on the first 2 working days of each month. Big Sandy Water has Neptune Radio Read Meters. After rechecks are completed and entered into the computer, a form is produced showing how much water was bought and sold in all zones. Also we have 16 zone meters that we try to read daily. Once an average is established and the readings start going up in a certain zone, then we know here to start looking for problems. All readings are calculated as soon as possible. We also have a Micro-Comm Telemetry that we use daily. We can check tank levels, flows and get pressure readings from the telemetry.

- a. Big Sandy Water uses several different Excel Spreadsheets
- b. All forms we use are included.

BIG SANDY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Sherman R. McDaniels

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. Lines 1-4 are used for water purchased or produced whichever applies.

Lines 6-13 is a break-out of how the water is sold to specific customers.

Lines 15-21 is for water that has been used but not metered.

Lines 23-33 is for water loss (leaks and breaks) and total water loss.

- c. Some of the forms we use are taken from Public Service Commission and others produced in house.

BIG SANDY WATER LOSS

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Sherman R. McDaniels

- 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. Big Sandy Water District has no questions.

BIG SANDY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Sherman R. McDaniels

- 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. Big Sandy Water District has no suggestions at this time.

BIG SANDY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Sherman R. McDaniels

- 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. Big Sandy Water District has no questions.

BIG SANDY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Sherman R. McDaniels

- 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. Big Sandy Water District has no concerns.

BIG SANDY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Sherman R. McDaniels

- 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. Big Sandy Water District believes this form seems to cover all the issues that need to be reported in a reasonable, proper and appropriate form.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Big Sandy 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.


Sherman R. McDaniels

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	30,327,800	
4	TOTAL PRODUCED AND PURCHASED	30,327,800	
5			
6	WATER SALES		
7	Residential	14,576,400	
8	Commercial	404,100	
9	Industrial	3,030,300	
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales <u>schools, churches, fire departments</u>	372,400	
13	TOTAL WATER SALES	18,383,200	60.6%
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant		
17	Wastewater Plant		
18	System Flushing	13,000	
19	Fire Department	12,250	
20	Other <u>Tested meters</u>	75,000	
21	TOTAL OTHER WATER USED	100,250	0.3%
22			
23	WATER LOSS		
24	Tank Overflows		
25	Line Breaks	1,695,480	
26	Line Leaks	10,148,870	
27	Other _____		
28	TOTAL LINE LOSS	11,844,350	39.1%
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)		39.1%

Nov-18

Accounts	Customers	Usage			Bought	Percent
Kenova			Kenova	Purchased	14,234,800	
01-00000-000	416	3,236,800	Totals	Sold	5,944,500	58%
04-15060-999					8,290,300	
09-00000-000	208	789,100				
09-99999-999						
10-00000-000	222	828,200				
10-99999-999						
11-00000-000	297	1,090,400				
11-99999-999						
Kenova	1143	5,944,500				
Rattlesnake Ridge			Rattlesnake	Purchased	948,200	
12-00000-000	105	400,800	Totals	Sold	400,800	58%
12-99999-999					547,400	
Ashland			Ashland	Purchased	10,231,000	
01-02300-001	1268	4,575,600	Totals	Sold	4,575,600	55%
05-26700-999					5,655,400	
Cannonsburg			Cannonsburg	Purchased	3,309,100	
06-06301-00	639	2,213,400	Totals	Sold	2,213,400	33%
08-99999-99					1,095,700	
KRAC TOTAL	3155	13,134,300	KRAC	Purchased	28,723,100	
			Totals	Sold	13,134,300	54%
					15,588,800	

Louisa						
Yatesville				Purchased	475,400	
10-05100-000	84	292,200		Sold	292,200	39%
10-08500-999					183,200	
Fuller Ridge				Purchased	610,500	
13-00000-000	137	562,500		Sold	562,500	8%
13-99999-999					48,000	
Deephole Rd				Purchased	158,500	
14-00000-000	44	192,800		Sold	192,800	-22%
14-99999-999					-34,300	
Pt. Section				Purchased	1,704,600	
20-00000-000	337	1,159,000		Sold	1,159,000	32%
20-14449-999					545,600	
Hwy 2565				Purchased	6,800	
20-14450-000	29	125,000		Sold	125,000	-17.38%
20-15500-999					-118,200	
Busseyville				Purchased	4,851,800	
20-15501-000	953	3,284,600		Sold	3,284,600	32%
23-99999-999					1,567,200	
Louisa Totals	1584	5,616,100	Louisa Totals	Purchased	7,807,600	
				Sold	5,616,100	28%
					2,191,500	
GRAND TOTALS	4739	18,750,400	Grand Totals	Purchased	36,530,700	
				Sold	18,750,400	49%
					17,780,300	

Bowling Drive
 Usage
 01-00051-000 thru 01-04251-999
 01-06151-000 thru 01-07251-999
 01-08001-000 thru 01-15601-999
 03-00051-000 thru 03-00201-999
 03-02501-000 thru 03-04801-999
 Total

Friendship
 Usage
 04-02450-000 thru 04-10900-999
 04-00050-000 thru 04-00850-999
 05-16200-000 thru 05-16850-999
 05-24700-000 thru 05-26700-999
 Total

Columbia Gas
 Usage
 01-04301-000 thru 01-06101-999
 01-07301-000 thru 01-07951-999
 02-00000-000 thru 02-00300-999
 Total

Buchanan
 Usage
 09-01250-000 thru 09-06420-999

Garner Hill
 Usage
 05-00000-000 thru 05-16150-999

Middletons
 Usage
 05-21000-000 thru 05-24690-999
 11-01700-000 thru 11-01715-999
 Total

Quarry Branch
 Usage
 09-06450-000 thru 09-10500-999
 10-00000-000 thru 10-04900-999
 10-08900-000 thru 10-13375-999
 11-04750-000 thru 11-04800-999
 Total

Smith's Route 3
 Usage
 10-13550-000 thru 10-13600-999
 11-00050-000 thru 11-01650-999
 11-01750-000 thru 11-04700-999
 11-04850-000 thru 11-14700-999
 Total

Yatesville
 10-05100-000
 10-08850-999
 Total

Fullers Ridge
 13-00000-000
 13-99999-999
 Total

Deephole Rd
 14-00000-000
 14-99999-999
 Total

Point Section
 20-00000-000
 20-14449-999
 Total

Highway 2565
 20-14450-000
 20-15500-999
 Total

Busseyville
 20-15501-000
 23-99999-999
 Total

12/27/18

Location	Meter #	Ert #	Size	UNDATED 3/1/2018
Old US #23 Columbia Gas	70263672	1834195465	2"	<u>18428119</u>
Calgon	70263418	1834179916	4"	<u>99076604</u>
Buchanan	70263394	1834180510	3"	<u> </u>
Bowling Drive	70263392	1834817614 -	3"	<u>48415416</u>
Garner Hill	70263393	1831728677	3"	<u>25978136</u>
Middleton's	72021928	1834180909	3"	<u>18657718</u>
Route 3 Smith's	72025756	1834180907	3"	<u>12610093</u>
Quarry Branch	70263391	1834180866	3"	<u>15351542</u>
Christie's	70246352	1484071144	3"	<u>113685</u>
Williams Creek	70246353	1580287372	3"	<u>1504134</u>
Spankem Br	70368704	1580010730	3"	<u>233464</u>
Yatesville		1547374564 1547386106		<u>1307304</u> <u>41549192</u>
Fallsburg		1548267354		<u>6857668</u>
Deephole		1548257290		<u>1871340</u>
Point Section		1548248312		<u>17288606</u>
Busseyville		1547439988		<u>48548042</u>