

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

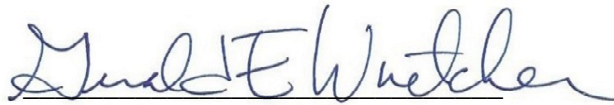
ELECTRONIC APPLICATION OF OHIO)
COUNTY WATER DISTRICT FOR AN) CASE NO. 2020-00167
ALTERNATIVE RATE ADJUSTMENT)

**SUPPLEMENTAL RESPONSE OF OHIO COUNTY WATER DISTRICT
TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION**

Ohio County Water District supplements its Response to the Commission Staff's First Request for Information.

Dated: August 28, 2020

Respectfully submitted,

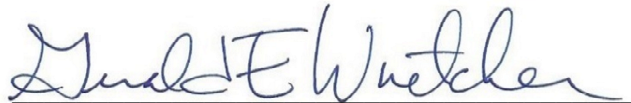


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CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Ohio County Water District's electronic filing of this Supplemental 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 August 28, 2020; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that within 30 days following the end of the state of emergency announced in Executive Order 2020-215 this Response in paper medium will be delivered to the Public Service Commission.



OHIO COUNTY WATER DISTRICT

Response to Commission Order Dated June 18, 2020 Case No. 2020-00141

Question No. 7

Responding Witnesses: Walt Beasley

- Q-7. Refer to Ohio District's 2018 annual report, page 57, Line 21, Total Other Water Used, is listed as 206,090,000 gallons, which equates to 24.86 percent of the water produced by Ohio District.**
- a. Provide a detailed explanation how the amounts were determined for each of the categories listed as Other Water Used.**
 - b. Provide copies of all documents relied upon to support the amounts of water usage for each of the categories listed as Other Water Used.**
 - c. In the event that any of the usage is estimated, provide the basis for the amount of the estimate**

A-7. Original Response:

- a. "Utility/water treatment plant" represents water used to backwash filter and chemical filters, wash settling basins, perform general cleaning around the plant, and water used in the control/lab building. Approximately 5,503,680 gallons of water is used monthly for backwash.¹ Control/lab building usage is approximately 220,000 gallons of water per month. Total water usage is 5,723,680 gallons per month.

"Flushing" represents water used to flush and line water mains. This amount is determined by apply an industry formula (USA Bluebook) that considers water line pressure, water line size, and the amount of time.

"Fire department" represents fire department usage for firefighting training and actual firefighting. This amount is currently based upon usage reported by fire department. In 2018 Ohio County Water District mistakenly determined fire department usage by applying a factor of .03 to "Total Produced and Purchased." It should have applied a factor of .0003 to "Total Produced and Purchased."

"Other" represents estimated meter loss of eight percent.

¹ 1,911 gallons per cycle x 24 cycles per day x 4 filters x 30 days per month = 5,503,680 gallons.

Ohio County Water District has recalculated its “Water Statistics” using a “Fire department usage” based upon a factor of .0003 of Total Produced and Purchased. See Attachment 7-A to Question 7.

- b. See Attachment 7-B to Question 7.
- c. See response to Question 7a.

Supplemental Response:

- b. Original Attachment 7-B has been revised to correctly report water loss attributed to inaccurate water meters. For purposes of calculating water loss, the amounts attributed to inaccurate water meters is not reflected in “Total Unknown Loss” on the OCWD Water Loss Report and in “Other” (Line 27) on Ref Page: 30 of the Annual Report Form. As a result of these revisions, Ohio County Water District now reports a water loss percentation of 19.29 percent for the test period..

ATTACHMENT 7-B

OCWD WATER LOSS REPORT

Water Treated: 822,463,000
 Water Sold: 516,945,000
 Unsold Water 305,518,000

WTP	71,239,000
SYSTEM FLUSH	75,387,000
LINE BREAKS	17,947,000
FIRE DEPT	246,000
OTHER	0
TOTAL USAGE:	164,819,000
TOTAL UNSOLD WATER	305,518,000
TOTAL UNKNOWN LOSS	140,699,000

Percent of loss 17.11%

Number of Leaks: 44 Customer Affected: 2593

	Location	Size	Description
1)			
2)			
3)			
4)			
5)			
6)			
7)			
8)			

REVISED

27500 Ohio County Water District 01/01/2018 - 12/31/2018

Water Statistics (Ref Page: 30)

	Gallons (Omit 000's)	Percent
1. Water Produced, Purchased and Distributed		
2. Water Produced	829,044	
3. Water Purchased		
4. Total Produced and Purchased	829,044 822,453	
6. Water Sales:		
7. Residential	293,027	
8. Commercial	16,769	
9. Industrial		
10. Bulk Loading Stations		
11. Resale	190,556	
12. Other Sales	16,593	
13. Total Water Sales	516,945	
15. Other Water Used		
16. Utility/Water treatment plant	66,239 71,239	
17. Wastewater plant		
18. System flushing	65,206 75,387	
19. Fire department	32,030 246	
20. Other	42,045 0	
21. Total Other Water Used	206,000 146,872	
23. Water Loss:		
24. Tank Overflows		
25. Line Breaks	17,947	
26. Line Leaks		
27. Other	88,029 140,699	
28. Total Line Loss	406,976 158,636	
Note: Line 13 + Line 21 + Line 28 must equal Line 4		
32. Water Loss Percentage		19.29
33. Line 28 divided by Line 4		42.7834