



"That good York water"  
SINCE 1816

# The York Water Company

April 26, 2024

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
P. O. Box 3265  
North Office Building  
Harrisburg, PA 17105-3265

Re: Docket M-2024-3045245  
Water Audit Methodology

Dear Secretary Chiavetta:

Enclosed please find The York Water Company's Water Audit Summary for the year ended December 31, 2023. Should you or a member of your staff have any questions, please contact me directly. My contact information is included below.

Sincerely,

Signer ID: UWWE2JXF612...

JT Hand  
President and Chief Executive Officer

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## AWWA Free Water Audit Software: Worksheet

FWAS v6.0  
American Water Works Association.  
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Water Audit Report for: **THE YORK WATER COMPANY**  
Audit Year: **2023** **Jan 01 2023 - Dec 31 2023** **CALENDAR**

Click 'n' to add notes  
Click 'g' to determine data validity grade  
To edit water system info: [go to start page](#)

To access definitions, click the [input name](#)  
All volumes to be entered as: MILLION GALLONS (US) PER YEAR

Water Supplied Error Adjustments

choose entry option:

<b>WATER SUPPLIED</b>	Volume from Own Sources: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="6"/> <input type="text" value="7,945.000"/> MG/Yr <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="percent"/>	
VOS	Water Imported: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="0.000"/> MG/Yr	
WI	Water Exported: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="0.000"/> MG/Yr	
WE		VOSEA WIEA WEEA

**WATER SUPPLIED:**  MG/Yr

### AUTHORIZED CONSUMPTION

BMAC	Billed Metered: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="9"/> <input type="text" value="6,116.766"/> MG/Yr	
BUAC	Billed Unmetered: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="0.000"/> MG/Yr	
UMAC	Unbilled Metered: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/> <input type="text" value="309.821"/> MG/Yr	
UUAC	Unbilled Unmetered: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/> <input type="text" value="15.292"/> MG/Yr	choose entry option: <input type="text" value="0.25%"/> <input type="text" value="default"/>

Default option selected for Unbilled Unmetered, with automatic data grading of 3

**AUTHORIZED CONSUMPTION:**  MG/Yr

### WATER LOSSES

MG/Yr

#### Apparent Losses

SDHE	Systematic Data Handling Errors: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="1"/> <input type="text" value="0.100"/> MG/Yr	
CMI	Customer Metering Inaccuracies: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="2"/> <input type="text" value="64.915"/> MG/Yr	choose entry option: <input type="text" value="1.00%"/> <input type="text" value="percent"/> <input type="text" value="0.100"/> MG/Yr
UC	Unauthorized Consumption: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/> <input type="text" value="15.292"/> MG/Yr	<input type="text" value="0.25%"/> <input type="text" value="default"/> <input type="text" value="under-registration"/>

Default option selected for Unauthorized Consumption, with automatic data grading of 3

**Apparent Losses:**  MG/Yr

#### Real Losses

**Real Losses:**  MG/Yr

**WATER LOSSES:**  MG/Yr

### NON-REVENUE WATER

**NON-REVENUE WATER:**  MG/Yr

### SYSTEM DATA

Lm	Length of mains: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/> <input type="text" value="1,019.0"/> miles	(including fire hydrant lead lengths)
Nc	Number of service connections: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="5"/> <input type="text" value="69,315"/>	(active and inactive)
	Service connection density: <input type="text" value="68"/> conn./mile main	
	Are customer meters typically located at the curbstop/property line? <input type="text" value="No"/>	
Lp	Average length of (private) customer service line: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/> <input type="text" value="40.0"/> ft	(average distance between property line and meter)
AOP	Average Operating Pressure: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/> <input type="text" value="89.0"/> psi	

### COST DATA

CRUC	Customer Retail Unit Charge: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/> <input type="text" value="\$6.15"/> \$/1000 gallons (US)	
VPC	Variable Production Cost: <input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="8"/> <input type="text" value="\$638.99"/> \$/Million gallons	<b>Total Annual Operating Cost</b> <input type="text" value=""/> \$/yr (optional input)

### WATER AUDIT DATA VALIDITY TIER:

**\*\*\* The Water Audit Data Validity Score is in Tier III (51-70). See Dashboard tab for additional outputs. \*\*\***

[go to dashboard](#)

A weighted scale for the components of supply, consumption and water loss is included in the calculation of the Water Audit Data Validity Score

#### PRIORITY AREAS FOR ATTENTION TO IMPROVE DATA VALIDITY:

Based on the information provided, audit reliability can be most improved by addressing the following components:

- 1: Volume from Own Sources (VOS)
- 2: Customer Metering Inaccuracies (CMI)
- 3: Systematic Data Handling Errors (SDHE)

#### KEY PERFORMANCE INDICATOR TARGETS:

OPTIONAL: If targets exist for the operational performance indicators, they can be input below:

Unit Total Losses:	<input type="text" value=""/>	gal/conn/day
Unit Apparent Losses:	<input type="text" value=""/>	gal/conn/day
Unit Real Losses <sup>1</sup> :	<input type="text" value=""/>	gal/conn/day
Unit Real Losses <sup>2</sup> :	<input type="text" value=""/>	gal/mile/day

If entered above by user, targets will display on KPI gauges (see Dashboard)