



# The York Water Company

April 29, 2022

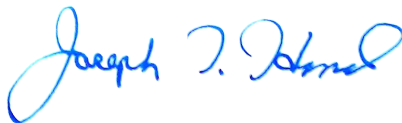
Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
P. O. Box 3265  
North Office Building  
Harrisburg, PA 17105-3265

Re: Docket ~~M-2021-3023555~~  
Water Audit Methodology

Dear Secretary Chiavetta:

Enclosed please find The York Water Company's Water Audit Summary for the year ended December 31, 2021. Should you or a member of your staff have any questions, please contact me directly. My contact information is included below.

Sincerely,



JT Hand  
President and Chief Executive Officer

E: [jth@yorkwater.com](mailto:jth@yorkwater.com)  
D: (717) 718-7554  
F: (717) 852-0058



# 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: **2021** | **Jan 01 2021 - Dec 31 2021** | **CALENDAR**

To access definitions, click the [input name](#)  
 Click 'n' to add notes | Click 'g' to determine data validity grade | To edit water system info: [go to start page](#)  
 All volumes to be entered as: MILLION GALLONS (US) PER YEAR

### WATER SUPPLIED

VOS	Volume from Own Sources:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="6"/>	<input type="text" value="7,417.000"/>	MG/Yr	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="percent"/>	
WI	Water Imported:	<input type="text" value="n"/>	<input type="text" value="g"/>		<input type="text" value="0.000"/>	MG/Yr				
WE	Water Exported:	<input type="text" value="n"/>	<input type="text" value="g"/>		<input type="text" value="0.000"/>	MG/Yr				
<b>WATER SUPPLIED:</b>					<b><input type="text" value="7,417.000"/></b>	<b>MG/Yr</b>				

[Water Supplied Error Adjustments](#)  
choose entry option:

### AUTHORIZED CONSUMPTION

BMAC	Billed Metered:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="9"/>	<input type="text" value="5,855.423"/>	MG/Yr				
BUAC	Billed Unmetered:	<input type="text" value="n"/>	<input type="text" value="g"/>		<input type="text" value=""/>	MG/Yr				
UMAC	Unbilled Metered:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="7"/>	<input type="text" value="476.998"/>	MG/Yr				
UUAC	Unbilled Unmetered:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="3"/>	<input type="text" value="14.639"/>	MG/Yr				
<b>AUTHORIZED CONSUMPTION:</b>					<b><input type="text" value="6,347.060"/></b>	<b>MG/Yr</b>				

choose entry option:  
 |

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

### 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="63.964"/>	MG/Yr				
UC	Unauthorized Consumption:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="3"/>	<input type="text" value="14.639"/>	MG/Yr				
<b>Apparent Losses:</b>					<b><input type="text" value="78.702"/></b>	<b>MG/Yr</b>				

choose entry option:  
 |  MG/Yr  
 |  |   
 |

#### 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="1,028.0"/>	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="69,779"/>		(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="\$6.14"/>	\$/1000 gallons (US)	<b>Total Annual Operating Cost</b>			
VPC	Variable Production Cost:	<input type="text" value="n"/>	<input type="text" value="g"/>	<input type="text" value="8"/>	<input type="text" value="\$436.55"/>	\$/Million gallons	<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>a</sup> :	<input type="text" value=""/>	gal/conn/day
Unit Real Losses <sup>b</sup> :	<input type="text" value=""/>	gal/mile/day

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