

Audubon Water Company

2650 Eisenhower Avenue
Valley Forge Corporate Center
Norristown, PA 19403

P.O. Box 7337
Audubon, PA 19407
(610) 630-1200
FAX (610) 630-1212

TS: M-2022-3030282

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Mr. McKinley

Please FIND the Water
Audit worksheet.

Thanks



RCVD PUC SEC BUR
AUG 19 2022 AM 10:32

AWWA Free Water Audit Software:
Worksheet

FWAS v6.0
American Water Works Association
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Water Audit Report for: **Audubon Water Company**
Audit Year: **2021** | **Jan 01 2021 - Dec 31 2021** | **Calendar**

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

To access definitions, click the input name

Water Supplied Error Adjustments

choose entry option:

WATER SUPPLIED

VOS	Volume from Own Sources:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="4"/>	<input type="text" value="391.808"/>	MG/Yr	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="6"/>	<input type="text" value="2.00%"/>	<input type="text" value="percent"/>	<input type="text" value="over-registration"/>	VOSEA
WI	Water Imported:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="n/a"/>	<input type="text" value="0.000"/>	MG/Yr					WIEA
WE	Water Exported:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="n/a"/>	<input type="text" value="0.000"/>	MG/Yr					WEEA

WATER SUPPLIED: MG/Yr

AUTHORIZED CONSUMPTION

BMAC	Billed Metered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/>	<input type="text" value="233.973"/>	MG/Yr					
BUAC	Billed Unmetered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="2"/>	<input type="text" value="12.500"/>	MG/Yr					
UMAC	Unbilled Metered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="n/a"/>	<input type="text" value="2.000"/>	MG/Yr					
UUAC	Unbilled Unmetered:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/>	<input type="text" value="0.616"/>	MG/Yr					

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

AUTHORIZED CONSUMPTION: MG/Yr

WATER LOSSES

MG/Yr

Apparent Losses

Default option selected for Systematic Data Handling Errors, with automatic data grading of 3

SDHE	Systematic Data Handling Errors:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/>	<input type="text" value="0.616"/>	MG/Yr	<input type="text" value="0.25%"/>	<input type="text" value="default"/>			
CMI	Customer Metering Inaccuracies:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="2"/>	<input type="text" value="4.816"/>	MG/Yr	<input type="text" value="2.00%"/>	<input type="text" value="percent"/>			<input type="text" value="under-registration"/>
UC	Unauthorized Consumption:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="3"/>	<input type="text" value="0.616"/>	MG/Yr	<input type="text" value="0.25%"/>	<input type="text" value="default"/>			

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

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SYSTEM DATA

Ln	Length of mains:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="10"/>	<input type="text" value="36.7"/>	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="8"/>	<input type="text" value="2.837"/>		(active and inactive)
	Service connection density:		<input type="text" value="77"/>	conn./mile main	
	Are customer meters typically located at the curbstop/property line?	<input type="text" value="select..."/>			
Lp	Average length of (private) customer service line:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="7"/>	<input type="text" value="125.0"/>	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="8"/>	<input type="text" value="75.0"/>	psi	

COST DATA

CRUC	Customer Retail Unit Charge:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="6"/>	<input type="text" value="\$8.03"/>	\$/1000 gallons (US)	Total Annual Operating Cost
VPC	Variable Production Cost:	<input type="text" value="n"/> <input type="text" value="g"/> <input type="text" value="4"/>	<input type="text" value="\$125.00"/>	\$/Million gallons	<input type="text" value="\$2,562,337"/> \$/yr (optional input)

WATER AUDIT DATA VALIDITY TIER:

Click 'g' for 1 parameter(s), then complete all visible data grading questions to enable the Data Validity Score to calculate [go to dashboard](#)

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: Billed Unmetered (BUAC)
- 3: Customer Metering Inaccuracies (CMI)

KEY PERFORMANCE INDICATOR TARGETS:

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

Unit Total Losses:	<input type="text"/>	gal/conn/day
Unit Apparent Losses:	<input type="text"/>	gal/conn/day
Unit Real Losses ^A :	<input type="text"/>	gal/conn/day
Unit Real Losses ^B :	<input type="text"/>	gal/mile/day

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

