Water Audit Report for:	Roosevelt Borough Water System	
Audit Year:	2024 Jan 01 2024 - Dec 31 2024	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

WATER SUPPLIED   choose entry option:

VOS	Volume from Own Sources:	n	g	4	24.278	MG/Yr	n g 4 percent	VOSEA
WI	Water Imported:	n	g	n/a	0.000	MG/Yr		WIEA
WE	Water Exported:	n	g	n/a	0.000	MG/Yr		WEEA

WATER SUPPLIED:	24.278	MG/Yr

AUTHORIZED CONSUMPTION

BMAC	Billed Metered:	n	g	7	15.689	MG/Yr	
BUAC	Billed Unmetered:	n	g	n/a	0.000	MG/Yr	
UMAC	Unbilled Metered:	n	g	4	4.779	MG/Yr	
UUAC	Unbilled Unmetered:	n	g	3	0.039	MG/Yr	0.25% default

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

AUTHORIZED CONSUMPTION:	20.507	MG/Yr

WATER LOSSES   3.770   MG/Yr

Apparent Losses

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

choose entry option:

SDHE	Systematic Data Handling Errors:	n	g	3	0.039	MG/Yr	0.25% default
CMI	Customer Metering Inaccuracies:	n	g	3	0.000	MG/Yr	percent	under-registration
UC	Unauthorized Consumption:	n	g	3	0.039	MG/Yr	0.25% default

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

Apparent Losses:	0.078	MG/Yr

Real Losses

Real Losses:	3.692	MG/Yr
WATER LOSSES:	3.770	MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER:	8.589	MG/Yr

SYSTEM DATA

Lm	Length of mains:	n	g	6	4.8	miles	(including fire hydrant lead lengths)
Nc	Number of service connections:	n	g	6	304		(active *and* inactive)
	Service connection density:				63	conn./mile main	

Are customer meters typically located at the curbstop/property line?	Yes

Lp		n	g	10

Average length of customer service line has been set to zero and a data grading of 10 has been applied

AOP	Average Operating Pressure:	n	g	5	45.0	psi

COST DATA

CRUC	Customer Retail Unit Charge:	n	g	9	$14.89	$/1000 gallons (US)	Total Annual Operating Cost
VPC	Variable Production Cost:	n	g	3	$9,624.24	$/Million gallons	$233,654 $/yr (optional input)

WATER AUDIT DATA VALIDITY TIER:

*** The Water Audit Data Validity Score is in Tier II (26-50). 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: Variable Production Cost (VPC)

KEY PERFORMANCE INDICATOR TARGETS:

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

Unit Total Losses:	gal/conn/day
Unit Apparent Losses:	gal/conn/day
Unit Real Losses [A]:	gal/conn/day
Unit Real Losses [B]:	gal/mile/day

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