



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association
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?	Click to access definition
+	Click to add a comment

Water Audit Report for: Borough of Roosevelt Water Department
Reporting Year: 2016 1/2016 - 12/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

PLEASE CHOOSE REPORTING UNITS FROM THE INSTRUCTIONS SHEET BEFORE ENTERING DATA

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

Volume from own sources:	+	?	5	29.417
Water imported:	+	?	n/a	0.000
Water exported:	+	?	n/a	0.000

Master Meter and Supply Error Adjustments

Pcnt:	+	?	?	Value:
	+	?	?	Value:
	+	?	?	Value:

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 29.417

AUTHORIZED CONSUMPTION

Billed metered:	+	?	6	16.210
Billed unmetered:	+	?	n/a	0.000
Unbilled metered:	+	?	1	0.000
Unbilled unmetered:	+	?	?	0.368

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 16.578

Click here: ?
for help using option buttons below

Pcnt:	+	?	?	Value:
	+	?	?	Value:

Use buttons to select percentage of water supplied
OR
value

WATER LOSSES (Water Supplied - Authorized Consumption)

12.839

Apparent Losses

Unauthorized consumption:	+	?	?	0.074
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Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	6	0.000
Systematic data handling errors:	+	?	?	0.041

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 0.114

Pcnt:	+	?	?	Value:
	+	?	?	Value:

Pcnt:	+	?	?	Value:
	+	?	?	Value:

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 12.725

WATER LOSSES: 12.839

NON-REVENUE WATER

NON-REVENUE WATER: 13.207

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+	?	5	4.8
Number of <u>active</u> AND <u>inactive</u> service connections:	+	?	7	300
Service connection density:	?	?	?	63

Are customer meters typically located at the curbside or property line? No
Average length of customer service line: + ? ? 60.0

(length of service line, beyond the property boundary, that is the responsibility of the utility)

Average operating pressure: + ? ? 45.0

COST DATA

Total annual cost of operating water system:	+	?	9	\$356,200	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	5	\$15.50	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	+	?	3	\$8.00	\$/ <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 53 out of 100 *****

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

PRIORITY AREAS FOR ATTENTION:

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

1: Volume from own sources

2: Variable production cost (applied to Real Losses)

3: Billed metered