



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association.
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Water Audit Report for: CAN DO Water (2400806/2401021/3130837)
Reporting Year: 2022 1/2022 - 12/2022

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

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

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

		----- Enter grading in column 'E' and 'J' ----->				Master Meter and Supply Error Adjustments	
Volume from own sources:	+ ? 8	188.233	MG/Yr	+ ? 8	0.00%	<input checked="" type="radio"/>	<input type="radio"/>
Water imported:	+ ? 8	113.287	MG/Yr	+ ? 4	0.00%	<input checked="" type="radio"/>	<input type="radio"/>
Water exported:	+ ? 8	14.166	MG/Yr	+ ? 5	0.00%	<input checked="" type="radio"/>	<input type="radio"/>
WATER SUPPLIED:		287.354	MG/Yr				

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

AUTHORIZED CONSUMPTION

Billed metered:	+ ? 8	274.119	MG/Yr
Billed unmetered:	+ ? 10	0.000	MG/Yr
Unbilled metered:	+ ? 9	0.000	MG/Yr
Unbilled unmetered:	+ ? 7	6.724	MG/Yr
Unbilled Unmetered volume entered is greater than the recommended default value			
AUTHORIZED CONSUMPTION:		280.843	MG/Yr

Click here: ? for help using option buttons below
Pcnt: () ● 6.724 MG/Yr
Value:

Use buttons to select percentage of water supplied OR value
Pcnt: 0.25% ● () MG/Yr
Value: 0.25% ● () MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

Apparent Losses

Unauthorized consumption:	+ ?	0.718	MG/Yr
Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed			
Customer metering inaccuracies:	+ ? 8	0.687	MG/Yr
Systematic data handling errors:	+ ? 8	0.685	MG/Yr
Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed			
Apparent Losses:	?	2.091	MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:	?	4.420	MG/Yr
WATER LOSSES:		6.511	MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER:	?	13.235	MG/Yr
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= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+ ? 7	140.5	miles
Number of active AND inactive service connections:	+ ? 8	159	
Service connection density:	? 1		conn./mile main

Are customer meters typically located at the curbstop or property line? (length of service line, beyond the property boundary, that is the responsibility of the utility)

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

Average operating pressure:	+ ? 6	65.0	psi
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COST DATA

Total annual cost of operating water system:	+ ? 9	\$2,242,625	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+ ? 8	\$7.34	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	+ ? 8	\$2,701.87	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 77 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: Unauthorized consumption
- 3: Systematic data handling errors