

Water Audit Report for: **Town of Fort Erie**

Audit Year: **2024** **Jan 01 2024 - Dec 31 2024** **Calendar**

Click 'n' to add notes

Click 'g' to determine data validity grade

To access definitions, click the [input name](#)

To edit water system info: [go to start page](#)

All volumes to be entered as: MEGALITRES (THOUSAND CUBIC METRES) PER YEAR

[Water Supplied Error Adjustments](#)

choose entry option:

VOS

WI

WE

Volume from Own Sources:

n

g

0.000

ML/Yr

Water Imported:

n

g

10

4,565.820

ML/Yr

Water Exported:

n

g

0.000

ML/Yr

WATER SUPPLIED:

4,565.820

ML/Yr

VOSEA

WIEA

WEEA

AUTHORIZED CONSUMPTION

BMAC

BUAC

UMAC

UUAC

Billed Metered:

n

g

9

2,882.715

ML/Yr

Billed Unmetered:

n

g

2

24.056

ML/Yr

Unbilled Metered:

n

g

10

37.178

ML/Yr

Unbilled Unmetered:

n

g

10

74.574

ML/Yr

AUTHORIZED CONSUMPTION:

3,018.523

ML/Yr

choose entry option:

custom

74.574

ML/Yr

WATER LOSSES

1,547.297

ML/Yr

Apparent Losses

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

SDHE

CMI

UC

Systematic Data Handling Errors:

n

g

3

7.267

ML/Yr

Customer Metering Inaccuracies:

n

g

6

62.633

ML/Yr

Unauthorized Consumption:

n

g

3

7.267

ML/Yr

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

Apparent Losses:

77.167

ML/Yr

Real Losses

Real Losses:

1,470.130

ML/Yr

WATER LOSSES:

1,547.297

ML/Yr

choose entry option:

0.25%

default

2.10%

percent

0.25%

default

under-registration

NON-REVENUE WATER

NON-REVENUE WATER:

1,659.049

ML/Yr

SYSTEM DATA

Lm

Nc

Length of mains:

n

g

10

354.4

kilometers

Number of service connections:

n

g

8

14,344

(including fire hydrant lead lengths)

Service connection density:

40

conn./km main

(active and inactive)

Are customer meters typically located at the curbside/property line?

No

Average length of (private) customer service line:

n

g

7

9.1

metres

(average distance between property line and meter)

Average Operating Pressure:

n

g

9

53.6

metres (head)

COST DATA

CRUC

VPC

Customer Retail Unit Charge:

n

g

7

\$1.78

\$/1000 litres

Variable Production Cost:

n

g

10

\$636.00

\$/Megalitre

Total Annual Operating Cost

\$/yr (optional input)

WATER AUDIT DATA VALIDITY TIER:

\*\*\* The Water Audit Data Validity Score is in Tier IV (71-90). 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: Billed Unmetered (BUAC)

2: Unauthorized Consumption (UC)

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:

litres/conn/day

Unit Apparent Losses:

litres/conn/day

Unit Real Losses<sup>A</sup>:

litres/conn/day

Unit Real Losses<sup>B</sup>:

litres/km/day

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

AWWA Free Water Audit Software v6.0

Worksheet 2