



Your drinking water: from source to tap



Fredericton

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The City provides our customers with clean, safe drinking water on demand, 24 hours a day, 7 days a week.

The City of Fredericton obtains its drinking water from seven (7) production wells located in Wilmot Park, and four (4) wells in the Queen Square neighbourhood. Each provides approximately 60 litres of water/sec (800 gallons/minute) through one of two water treatment plants, before flowing through a water distribution system of 400km of water mains, 14 water booster stations, 15 reservoir sites, over 18,500 service connections and over 2600 fire hydrants.

These wells draw from the South Fredericton Aquifer, a layer of sand and gravel contained between bedrock and clay under the downtown area of the City.

The groundwater drawn from our wells is distinct from surface water in that it is naturally filtered by the sand & gravel and is clean, clear and colder than surface water. The Fredericton South Aquifer is recharged from three sources:

1. River Bank Filtration (60-70%),
2. The overlying water table that results from surface water run-off (10-30%),
3. Water derived from the underlying bedrock (5-10%).

We ensure that there are steps in place to guarantee safe, reliable drinking water. We focus on protecting our source water, maintaining the reliability of our equipment and systems, monitoring our systems, and preventing cross contamination.

About Fredericton's Water & Sewer Utility

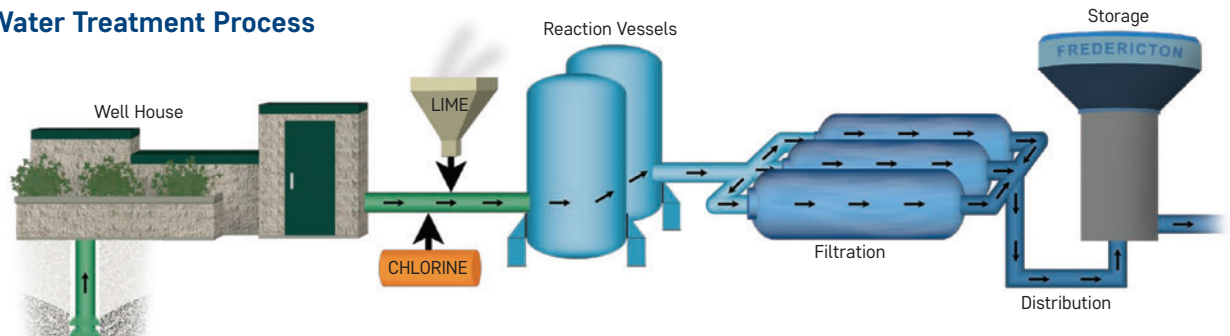
As per provincial legislation, Fredericton's water and sewer utility is self-funded, deriving all its revenue from rates charged and when available supplemented by government infrastructure grants. It is separate from the City of Fredericton's general fund budget and property tax system. The utility provides water and sewer services to well over 95% of households and businesses within Fredericton, carrying out various maintenance and renewal efforts to keep the system operating smoothly. The utility is currently focused on replacing aging pipes within the system, developing new wells, and upgrading booster stations and reservoirs.

For more information contact:

Water and Sewer Division
506-460-2020
service@fredericton.ca

Keeping your Drinking Water Safe

Water Treatment Process



Water is pumped from our aquifer by 11 production wells to one of two Water Treatment Plants. The water is treated with chlorine to convert manganese so that it may be removed in the filtration process, and to disinfect in order to ensure the safety of the water at the tap. Lime is used to raise the water's pH level to help reduce corrosion in the pipes. The water flows through the filtration system, which removes 99.9% of the manganese. Finally, the water then enters the distribution system where it is stored for use and consumption.