

History of the Water Tower

The City's water tower is a critical component of the water distribution system

- Yorkton's old water tower was constructed in 1930
- The new water tower was constructed and activated summer of 1999 to replace the old one.
- The tower is 48 meters tall;
- Reservoir capacity of 1,364 m³ or 1,364,000 liters;
- Located between Park Street and Agricultural Avenue.



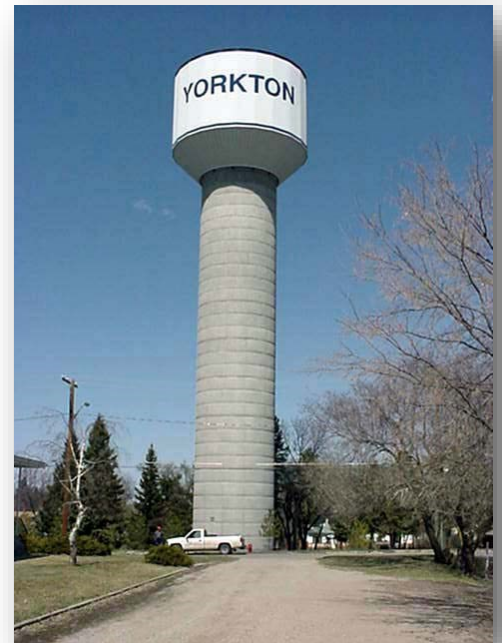
What is the Purpose?

The water tower is an elevated structure that has three main purposes; to act as a water storage reservoir, and to maintain and help regulate the water pressure within the distribution system.

How does it work?

When water is pumped from the water treatment plant into the distribution water mains, the excess water flows up into the water tower. By flowing up the tower, pressure is regulated and spikes in pressure are reduced when pumps are started and stopped.

If demand for water exceeds the capacity of the pumps, the tower then acts as a reservoir. The water begins draining, and pressure is maintained by the force of gravity.



Benefits of this System

- Reduced amount of water main breaks and the costs associated with the repairs.
- Guaranteed supply in case of extreme demand, such as during a fire.
- Guaranteed supply in case of loss of power or mechanical failure of the pumps.
- Consistent water pressure for customers.



Vertical view of the interior of the water tower shaft.