Elevated Storage Tanks, also known as Water Towers, are there to provide a volume of water at a certain pressure. The size of the “bowl” determines how much water the tower can hold. How tall the tower is determines how much pressure it provides for the system.

In fact, for every 2.31 feet of height, a water tower generates 1.0 psi. So, a 200 foot Water Tower can generate 86.6 pounds of pressure.
Water is pumped into the tower. But, drains by gravity, when people need it.

Tower levels are monitored remotely, usually at the Water Plant.

The Towers provide pressure and volume to help fight fires.

Water Levels in the Tower are constantly adjusted to maintain water quality.

Texas has approximately 2,829 Elevated Storage Tanks, holding 1,692,539,000 gallons of water.  
*Source TCEQ*

One of the components that help determine Homeowner Insurance Rates is how much Elevated Storage is in your cities water system. The more storage and pressure, the lower the Homeowner Insurance Rates.

Still Have Questions

Contact your local water supplier for answers, or the Texas Section AWWA at www.tawwa.org

Water Pipe Sizes and Fire Hydrant Spacing are other components that affect it.