



HRGreen®



WATER

# WATER DISTRIBUTION SYSTEM STORAGE

## Water Distribution System Storage

Water distribution systems should provide a minimum of an average day water demand in water storage on the system.

Water storage can be provided by either elevated water storage towers or by ground storage reservoirs with a peak day capacity booster station which allows one pump to operate continuously and bypass water back to the reservoir during low water demand periods.

Elevated water storage towers require an interior and exterior paint coating every 10-15 years of service. A very expensive process which requires the water storage facility to be out of service for an extended period of time during peak water demand periods.

Ground storage reservoirs can be fully buried, constructed to allow one half of the reservoir to be out of service while still maintaining operation. The peak day capacity booster station needs to operate on a continuous basis and have the ability to bypass water back to the reservoir during low water demand periods.

**If you are considering the addition of water storage to your water distribution system, take the time to review the water storage options and the long term cost to your system.**

While continuous pumping at a ground storage booster station requires a slightly higher electrical cost than the elevated water storage tower, the additional electrical cost is substantially less than the cost to paint and remove paint from the elevated storage towers during operation every 10-15 years.



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