

# WE Stand 2017

A New Tool to Help Communities to Conserve Water



Water Efficiency and Sanitation Standard (WE Stand) is the first ever American National Standards Institute standard that focuses solely on achieving safe and efficient water use in residential and non-residential buildings. The WE Stand Technical Committee, who developed the standard, included 29 leading industry experts, representing government, code officials, manufacturers, engineers, contractors, academia, water efficiency proponents, and related organizations. The 2017 WE Stand contains the latest comprehensive provisions aimed at achieving safer and more reliable water efficiencies in and around buildings.

## KEY NEW PROVISIONS



### New Pipe Sizing Method and Calculator

The new pipe sizing formula supports residential systems of all sizes, even multi-family, and includes a complimentary, easy to use demand calculator.

Benefits include:

- Improved scouring action, inhibiting biofilm growth
- Reduced water stagnation, improving water quality
- Faster hot water delivery, saving energy, water and money
- Reduced construction costs



### Landscape Irrigation

Important new efficiency related provisions for system inspection and performance.



### Codification and Safe Use of Composting Toilets

Contains the first set of comprehensive requirements for installation, safe use and maintenance of composting and urine diversion toilet fixtures in commercial and residential applications.



### Water Efficiency In and Around Buildings

Depending on the water consuming plumbing fixtures, appliances and water reuse systems used, water savings of 50% or more are achievable over baseline plumbing code provisions.



### Alternate Water Sources

Progressive provisions for uses of gray water, generated from clothes washers, in landscape irrigation. New requirements that reduce the cost of retrofitting gray water systems in single family homes.



### Safety Requirements for Leak Detection Systems

New important safety provisions for leak detection systems that take fire suppression systems into account.



### Swimming Pool Provisions

New requirements pertaining to the energy efficiency of swimming pool pumps per the latest industry standards.