

WE♠Stand® 2020

IMPROVING WATER EFFICIENCY AND RESILIENCY IN HOMES AND BUILDINGS

Water is critical to our nation's health, environment, security, and resilience, but the solutions available for communities to maximize water efficiency historically have not kept pace with the innovation. WE♠Stand® 2020 changes that by bringing together the most advanced measures to help communities efficiently use available water resources and take advantage of alternate water sources.

WHAT IS WE♠Stand®?



WE♠Stand® (IAPMO's Water Efficiency and Sanitation Standard) is the most comprehensive water-use standard for homes and buildings - providing enforceable requirements for water efficiency, conservation and reuse.



Developed by a robust team of recognized international experts in water, plumbing and mechanical systems.



Designated as an American National Standard by the American National Standards Institute (ANSI), the industry's "gold standard" for inclusive and transparent development processes.

How Does WE♠Stand® Help Communities?

BY PROVIDING INDUSTRY LEADING PROVISIONS ON:



WATER CONSERVATION

- Plumbing design, fittings, and fixtures
- Landscape irrigation

Plumbing Sizing* - The most important innovation in 80 years in the plumbing industry, the Water Demand Calculator™ results in water, energy, labor and materials savings. In construction costs alone, the savings from this provision range as high as \$5,000 for a single-family home to over \$100,000 for a multifamily building.



ALTERNATE WATER SOURCES & WATER REUSE

- Reclaimed water
- Stormwater*
- Rainwater
- Black water*
- Grey water

Contains the most advanced provisions for using alternate water sources onsite, allowing communities to safely and reliably put these important resources back to work in our buildings.



ADVANCED TECHNOLOGIES

- Non-sewered sanitation systems*
- Recirculating showers
- Vegetative roofs and walls
- Composting and urine diversion toilets

* Codified for the first time in WE♠Stand® 2020

WHY WE♻️Stand®?

- **CREATES GREATER RESILIENCE** and water security by reducing demand on drinking water even in extreme drought or other water stressed conditions.
- **REDUCES ENERGY CONSUMPTION** required to heat, treat and pump drinking water through more efficient plumbing design and reduced water usage.
- **DELIVER FINANCIAL SAVINGS** to consumers by reducing water and energy utility costs.
- **BENEFITS THE ENVIRONMENT** by placing less demand on a vital natural resource and reducing the carbon footprint for buildings.
- **IMPROVES HOUSING AFFORDABILITY** by reducing costs related to materials, labor, and utility connection fees.
- **PROTECTS PUBLIC HEALTH** by more efficiently moving water through building pipes, reducing stagnation and protecting water quality.
- **REDUCES INFRASTRUCTURE COSTS** by lowering demand on drinking water storage and distribution grids.

80%

of U.S. states anticipate water shortages in some parts of their states in the next decade

50%

of the water being used for commercial buildings (cooling towers, toilet flushing and gardens/landscape) and residential buildings (toilet flushing, laundry and gardens) does not need to be water of drinking quality.

Efficient plumbing fixtures alone have saved

4.4 trillion gallons of water,

522.9 billion kilowatt hours,

\$87 billion in utility bills since 2006.

WE♻️Stand can help communities save even more!

