

Memorandum of Understanding



Plumbing Manufacturers International And Alliance for Water Efficiency

PURPOSE

In recognition of both organizations' common interests in support of indoor water efficiency, the Plumbing Manufacturers International (PMI) and the Alliance for Water Efficiency (AWE) subscribe to this Memorandum of Understanding (MOU) to jointly support a mutually agreed-upon technical provision (The Proposal) pertaining to the use of multi-showerheads in shower compartments. Both organizations agree to support The Proposal at all United States and Canadian based "green" code, standard and building rating program venues and at all applicable Federal, State, County or Municipal regulatory or legislative hearings or comment periods. This MOU is a declaration that both organizations will work collaboratively to support the adoption of The Proposal in order to maintain water efficiency in the built environment and to attain broad harmonization on the use of multi-showerheads in shower compartments to the greatest extent possible across North America.

STIPULATIONS

AWE acknowledges the unique membership characteristics of PMI and recognizes its authority to exercise sole and exclusive discretion to support or oppose any technical provision under consideration at codes and standards venues or for any voluntary, regulatory or legislative issue.

PMI acknowledges the unique water management membership characteristics of AWE and recognizes its authority to exercise sole and exclusive discretion to support or oppose any technical provision under consideration at codes and standards venues or for any voluntary, regulatory or legislative issue.

OBJECTIVES AND TERMS

- This MOU applies strictly to The Proposal, a jointly developed and agreed to multi-showerhead technical provision, which is adhered to this agreement as Attachment A.
- AWE and PMI agree to jointly support adoption of The Proposal at all green code, standard, and building rating program venues and at all applicable Federal, State, County or Municipal regulatory or legislative hearings or comment periods, including but not limited to the following programs:
 - The *Water Efficiency and Sanitation Standard* (WE-Stand) published by the International Association of Plumbing and Mechanical Officials.

- ASHRAE Standard 189.1 *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* published by ASHRAE (includes content for the *International Green Construction Code* (IgCC) published by the International Code Council).
- *ICC/ASHRAE 700 National Green Building Standard* as published by the International Code Council
- *The Leadership in Energy and Environmental Design (LEED)* rating program administered by the U.S. Green Building Council.
- *The Green Globes* building assessment program administered by the Green Building Initiative.
- *CalGreen* as developed and enforced by the California Building Standards Commission and any other similar state green plumbing codes.
- The USEPA *WaterSense* Program's Homes Specification.
- All legislative or regulatory hearings or comment periods at all levels of government (Federal State, County, and Municipal) pertaining to the use of multi-showerheads in shower compartments in green codes and standards.
- Other venues that meet the intent of this agreement.

TERMS

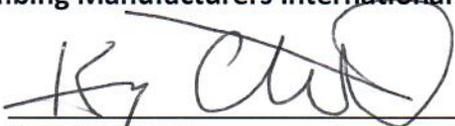
This MOU shall commence immediately upon signing by both AWE and the PMI. The period of this memorandum shall be a renewable 5 (five) year term from the date of signing, unless terminated early by a three-month advance notice from either party. Both AWE and PMI acknowledge that this MOU is legally non-binding, but otherwise commit to the agreement related to the issues described in this MOU.

TERMINATION

This MOU may be terminated at any time by either organization by submitting written notice to the other organization no sooner than three months prior to the desired termination date. Such notice shall indicate the reasons for such termination.

ATTEST:

PMI
Plumbing Manufacturers International

By: 
Kerry Stackpole
President and CEO

ATTEST:

AWE
Alliance for Water Efficiency

By: 
Mary Ann Dickinson
President and CEO

Date November 7, 2019

Date: November 7, 2019

Attachment A

AWE and PMI Proposal for Multiple Showerheads in Green Codes/Standards*

New definition:

Shower Outlet Devices – Any outlet component supplied by a shower valve excluding tub spouts.

Amended Requirements**

402.6.1 Multiple Shower Outlet Devices Serving One Shower Compartment. The total combined flow rate from all *shower outlet devices* controlled by one shower valve shall not exceed 2.0 gpm (7.6 L/m).

Exceptions: Where provided, shower compartments required for persons with disabilities in accordance with Table 901.1 shall not have more than 4.0 gpm (15.0 L/m) total flow, where one outlet is the hand shower.

402.6.1.1 Shower Compartments Designed For Two Persons in Residences and Private Bathrooms in Lodging Facilities. Where a second shower valve is installed in a shower compartment designed for two persons in residences and private bathrooms in lodging facilities, shower valves shall be installed not less than 96 inches (2438 mm) apart as measured horizontally. The total combined flow rate from all *shower outlet devices* from each shower valve shall not exceed 2.0 gpm (7.6 L/m). Shower compartments designed for more than two persons shall not be permitted.

402.6.1.2 Gang or Group Showers. Each *shower outlet device* in gang or group showers shall not exceed 2.0 gpm (7.6 L/m) for each 1296 square inches (0.8361 m²) of shower floor area. Where the shower outlet devices are wall mounted or ceiling mounted, the shower outlet devices shall be installed not less than 35 inches (889 mm) apart as measured horizontally.

*This proposal reflects proposed language for the 2020 IAPMO/ANSI WE-Standard and may need to be modified for other green codes and standards depending on section numbering, layout or manual of style.

**The current Section 402.6.1 of WE-Standard will be replaced with the amended requirements.

Note: The illustration below is informational for the purposes of the Memorandum of Understanding. It may or may not be included as substantiation by either PMI or AWE in support of proposals submitted to various green codes, standards, rating systems or at all applicable Federal, State, County or Municipal regulatory or legislative hearings or comment periods.

