



## **MINUTES**

### **Premise Water Supply System Design Task Group - Meeting #1**

**November 18, 2021 from 9:00AM – 10:30AM (PT)**

<https://iapmo-org.zoom.us/j/88572370552>

**Meeting ID:** 885 7237 0552

#### **Members Present:**

Jim Kendzel, Chair  
Gary Klein  
Todd Kuchta  
John Lansing  
Markus Lenger  
Amir Tabakh

#### **Representation:**

American Supply Association  
Gary Klein and Associates, Inc.  
Self  
PAE Consulting Engineers  
CleanBlu Innovations Inc  
City of LA Department of Water and Power

#### **Observers:**

James Kemper  
Steven Toyoma

#### **Representation:**

City of LA Department of Water and Power  
Toyama & Associates Consulting Engineers

#### **IAPMO Staff Present:**

Taylor Costea  
Dan Cole  
Enrique Gonzalez

#### **Title:**

Staff Liaison  
Sr. Director of Technical Services  
Plumbing Code Development Administrator

- I. Call to order.** The Chair, Jim Kendzel, called the meeting to order on Thursday, November 18, 2021, at 9:02AM (PT).
- II. Self-Introductions.** Taylor Costea welcomed the Task Group, took roll, and asked members to state their representation.
- III. Review and approval of agenda.** The Chair, Jim Kendzel, asked for approval of the agenda. The motion was made and seconded to approve the agenda. The motion passed.
- IV. Scope of the Premise Water Supply System Design Task Group.** Taylor Costea reviewed the Task Group scope as follows:

*The scope of this task group is to investigate premise plumbing water supply system design provisions that would result in improved water quality and water- and/or energy-efficiency performance. Strategies to investigate include minimizing pipe sizes and lengths, strategically locating fixtures and appliances near each other and to the water heater, piping strategies to prevent or minimize stagnation, velocity minimums and maximums for*

*water quality control, and technologies for leak detection devices. The recommendations provided by the task group will be forwarded to the WE-Stand Technical Committee for consideration in the development of the 2023 edition of the WE-Stand.*

**V. Goals.**

A. Discuss the timeline for completion of recommendations.

**The deadline for submitting WE-Stand proposals is March 4, 2021.**

B. Determine areas of focus.

**The Task Group decided to focus on the following topics:**

- Pipe sizing and length
  - Review the correlation between fixture units assigned in Chapter 6 and Chapter 7 of the 2021 UPC
  - Bring Appendix C directly into the standard as a requirement with clear directions on usage and documentation of drawings
  - Review existing language for recirculating pump systems
    - Point of use (POU) water heating devices
- Strategically locating fixtures and appliances
  - Locating wet rooms closer to each other and the sources of hot water
  - Location of washing machines related to the hot water source
- Technologies for leak detection
  - Provide additional requirements
  - Management of catastrophic leaks through improved design

C. Assign action items.

**The Task Group agreed to the following action items:**

- |                                     |  |
|-------------------------------------|--|
| Gary Klein                          | • Review existing WE-Stand language to see how it correlates with revisions to pipe sizes (fixture unit values or the WDC) |
| Gary Klein, Dan Cole, & Jim Kendzel | • Incorporate Appendix C into mandatory language   |
| Todd Kuchta & Gary Klein            | • Highlight WE-Stand sections which relate to hot water  |
| John Lansing                        | • Generate requirements for strategically locating fixtures and appliances   |
| Jim Kemper                          | • Generate requirements for leak detection   |

The due date for action items is **December 8, 2021.**

D. Address additional questions and concerns. **None.**

**VI. Future meetings.** The next meeting will be held during the week of December 13, 2021. Taylor Costea will send a doodle poll for the next meeting.

**VII. Other business.** No other business.

**VIII. Adjourned.** The meeting was adjourned at 10:33AM (PT).