



MINUTES

Premise Water Supply System Design Task Group - Meeting #2

Monday, December 13, 2021 from 1:00PM to 2:30PM (PT)

<https://iapmo-org.zoom.us/j/88418024257>

Meeting ID: 884 1802 4257

Members Present:

Jim Kendzel, Chair
Gary Klein
Todd Kuchta
John Lansing
Markus Lenger
James Kemper

Representation:

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

IAPMO Staff Present:

Taylor Duran
Dan Cole
Enrique Gonzalez
Zalmie Hussein

Title:

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

- I. Call to Order.** The Chair, Jim Kendzel, called the meeting to order on Monday, December 13, 2021 at 1:02 PM (PT).
- II. Roll Call and Self-Introductions.** Taylor Duran welcomed the Task Group, took roll, and asked members to state their representation.
- III. Code of Conduct.** See page 42 of the [IAPMO Guide for Conduct Policy](#). Taylor Duran reviewed the IAPMO Guide for Conduct Policy.
- IV. Conflict of Interest.** See below for the IAPMO Conflict of Interest Policy. Taylor Duran reviewed the IAPMO Conflict of Interest Policy.
- V. Review and approval of the Agenda.** The Chair, Jim Kendzel, asked for approval of the agenda. The motion was made and seconded to approve the agenda. The motion passed.
- VI. Review and approval of the November 18, 2021 Meeting Minutes.** The Chair, Jim Kendzel, asked for approval of the November 18, 2021 Meeting Minutes. The motion was made and seconded to approve the minutes. The motion passed.
- VII. Scope of the Task Group.** Taylor Duran 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.

VIII. Goals for the meeting.

A. Review assigned action items.

The Task Group reviewed submitted action items.

- i. Review of existing WE-Stand language to see how it correlates with revisions to pipe sizes (Gary Klein)

Gary Klein provided the following documents for review by the Task Group:

- **Letters of Support to Adopt UPC Appendix M**
- **Title 24 Petition to Adopt UPC Appendix M**

- ii. Incorporate Appendix C into the main body of the code (Gary Klein, Dan Cole, & Jim Kendzel)

Gary Klein, Dan Cole, & Jim Kendzel generated a list of preliminary recommendations related to incorporating Appendix C into the mandatory section of the WE-Stand.

- iii. Highlight WE-Stand sections that relate to hot water (Todd Kuchta & Gary Klein)

It was determined that only Chapter 10 of the WE-Stand contains sections relating to hot water.

- iv. Generate requirements for strategically locating fixtures and appliances (John Lansing)

John Lansing reviewed fixture location efficiency based on the proximity of fixtures and appliances from the water entry point to the dwelling. A table was provided which depicted categories using internal piping volume between the entry to the dwelling and the furthest fixture.

- v. Generate requirements for leak detection (James Kemper)

James Kemper generated provisional language for leak detection. After discussion from the Task Group, it was determined that requirements should focus on overall system leak detection rather than on individual appliances.

B. Review of the Premise Water Supply System Design Guide.

Dan Cole provided an overview of the Premise Water Supply System Design Guide.

C. Assign new action items.

The Task Group agreed to the following action items:

- Taylor Duran is to generate a draft of changes based on the list of preliminary recommendations related to incorporating Appendix C into the mandatory section of the WE-Stand.
- Todd Kuchta is to review Section 1003.4 (Central Water Heating Equipment) of the WE-Stand and complete the following:
 - Compare with the WDC incorporation draft,
 - Review wording for equipment sizing, and
 - Review distribution system design requirements (i.e. balance valves, time to tap, max volume)
- John Lansing is to format the table for fixture location efficiency to match the list layout in Section 1003.7.1 of the WE-Stand.
- All members are to review the following documents:
 - IAPMO IGC 115
 - IAPMO IGC 349
 - Letters of Support to Adopt UPC Appendix M
 - Title 24 Petition to Adopt UPC Appendix M

The due date for submission of action items is **January 7, 2022**.

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

IX. Future meetings. The next meeting will be held between January 10, 2022 and January 21, 2022. Taylor Duran will send a doodle poll for the next meeting.

X. Other business. **None.**

XI. Adjourned. The meeting was adjourned at 2:32PM (PT).