



MINUTES

Alternate Waste Sizing Task Group - Meeting #1
November 15, 2021 from 11:00AM – 12:30PM (PT)
<https://iapmo-org.zoom.us/j/89035966898>
Meeting ID: 890 3596 6898

Members Present:

Todd Kuchta (Chair)
John Lansing
Markus Lenger
Amir Tabakh, Principal
James Kemper, Alternate

Representation:

Self
PAE Consulting Engineers
CleanBlu Innovations Inc
City of LA Department of Water and Power

IAPMO Staff Present:

Taylor Costea
Dan Cole
Enrique Gonzalez
Zalmie Hussein

Title:

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

Absent Members:

Jim Kendzel
James Majerowicz

Representation:

American Supply Association
Plumbers' Joint Apprenticeship Committee
L.U. 130, U.A.

- I. Call to order.** The Chair, Todd Kuchta, called the meeting to order on Monday, November 15, 2021 at 11:04 AM (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, Todd Kuchta, asked for approval of the agenda. The motion was made and seconded to approve the agenda. The motion passed.
- IV. Scope of the Alternate Waste Sizing Task Group.** Taylor Costea reviewed the Task Group scope as follows:

The scope of this task group is to develop provisions for alternate sizing of waste side piping as was achieved with the alternate water supply sizing provisions previously published within WE-Stand. 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 determined that the following topics are to be researched for discussion at the next meeting:

- Applicability – project types/sizes
Note: The task group agreed to generate provisions applicable to single- and multi-family dwellings.
- Determine which information is currently available to incorporate
- Research how fixture sizing is achieved
 - Read articles provided by Dan Cole:
 - “Uncovering the Missing Hunter’s Curve”
 - “Hunter’s Horizontal Drain Capacities”
 - Review updates/changes to fixture unit sizing over the last few decades
 - Locate and review wastewater flow data (GPM)
 - Compare this data to values found using the Water Demand Calculator for the same building(s)
 - Identify which information/methodology from the Water Demand Calculator can be incorporated:
 - Transfer statistical information for drainage lines
 - Identify deviations due to behavioral changes (i.e. pandemics)
 - Peak demand hour data
 - Peak flow data
 - Identify considerations for collection/reuse/reduction of flow (i.e. gray water plumbing)
 - Identify the effect of low flow fixtures
- Research other international design methods/alternative method of design and installations

C. Assign action items.

Action items were assigned as follows:

- | | |
|---------------|---|
| Todd Kuchta | <ul style="list-style-type: none">• Read articles provided by Dan Cole:<ul style="list-style-type: none">• “Uncovering the Missing Hunter’s Curve”• “Hunter’s Horizontal Drain Capacities” |
| John Lansing | <ul style="list-style-type: none">• Research other international design methods/alternative methods of design and installations |
| Markus Lenger | <ul style="list-style-type: none">• Locate and review wastewater flow data• Compare this data to values found using the Water Demand Calculator for the same building(s) |
| Amir Tabakh | <ul style="list-style-type: none">• Research other international design methods/alternative methods of design and installations• Gather peak flow data |
| All members: | <ul style="list-style-type: none">• Identify project types/sizes (applicability)• Determine which information is currently available to incorporate• Send source documents to Taylor Costea to distribute to the group. |

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.

Dan Cole is to show a presentation for the Water Demand Calculator during the next meeting.

VII. Other business. No other business.

VIII. Adjourned. The meeting was adjourned at 12:08 PM (PT).