

# ASPELA TIMES

The News of the Los Angeles Chapter of The American Society of Plumbing Engineers

[www.aspela.com](http://www.aspela.com)

March 2023

Volume 23 Issue III

## **PRESIDENT'S REPORT** **Thura Zin CPD, GPD** **President**



February speaker:  
Bob Woods, PHD  
Air Treatment Systems

Our February 7th ASHRAE SoCal and ASPE - LA Chapter joint meeting was an outstanding success. We had more than 80 people show up. Thanks to our ASPE members who came and attended the meeting. I like to thank the host ASHRAE Southern California Chapter, Board Officers, President-Elect Elyse Johnson, and her team. I would like to thank our ASPE members and past presidents April Trafton, Cory Nakanishi, Kook Dean, Peter Kraut, Vivian Enriquez, and William Siler, for coming and supporting our chapter.

I would like to thank Bob Woods for his heat pump water heater's presentation. As you all know, starting from April 1, 2023, LADBS will enforce an Ordinance 187714, All-Electric Building. The City's plan check will not approve future use of gas systems with Permits obtained starting April 1, 2023. Any plans submitted after April 1, 2023, will not have gas systems to begin with. If there is a code violation where new gas piping is installed would require removal of the gas piping to be code compliant. This applies to single family and multi-family new construction projects. The ordinance does not apply to existing structures so a remodel or addition to an existing structure can have gas. Gas will not be allowed when there is an existing structure with a "new constructed detached structure/ADU". Also, If the ADU is new but attached, it falls under exception 3, for the dwelling units, using existing gas piping systems in conjunction with the primary

*please continue reading on page 20*

## March Meeting

**Date:** **March 1, 2023**

**Time:** Check-in will start at 5:30pm. Presentation to begin at 7:00 pm.

**Place:** **Courtyard Marriott**  
2100 Empire Avenue  
Burbank CA 91504

**Program:** **The Evolution of Mixing Valve Technology: Conservation & Safe Water Solutions**

**Speaker:** **Todd McCurdy: National Sales Manager**  
**Watts Water Technologies**

### Future events include:

- ASPE Golf
- ASPE Product Show

See inside for Details...



inside...

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AMERICAN SOCIETY OF PLUMBING ENGINEERS LOS ANGELES CHAPTER

**March 1, 2023, Meeting**

**“The Evolution of Mixing Valve Technology:  
Conservation & Safe Water Solutions”**

**By**

**Todd McCurdy – National Sales Manager - Engineers  
Watts Water Technologies**

**WHAT YOU WILL LEARN:**

The presentation will cover the following topics, with time for questions:

- The importance of mixing valves in a plumbing system
- The evolution of technology that blends water in mixing valves
- Thermostatic Mixing Valve technologies
- Digital Mixing Valve technology
- The benefit of Digital Mixing IoT Connected devices

**MEETING LOCATION:**

COURTYARD BY MARRIOTT BURBANK  
2100 W EMPIRE AVE, BURBANK, CALIFORNIA 91504

**MEETING SCHEDULE:**

5:30 pm – Check in  
6:45 pm – 7:45 pm – Presentation

**COST:**

\$45

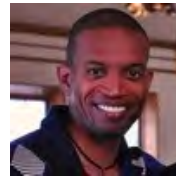
**RSVP REQUIRED:**

To VP Tech - [vptech.aspela@gmail.com](mailto:vptech.aspela@gmail.com) or  
[Vahan.Margaryan@arup.com](mailto:Vahan.Margaryan@arup.com)

**By: February 28, 2023**

For more information, visit our website  
@[www.aspela.com](http://www.aspela.com).

**THE SPEAKER: Todd McCurdy**



- National Sales Manager – Engineers for [Watts Water Technologies](#)
- 10+ Years with Watts Water Technologies
- 14+ Years with Dormont (a division of Watts Water Technologies)
- University of Cincinnati Graduate
- Proudly Representing Design & Specification Brands & Solutions:
  - [POWERS Water Tempering](#)
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  - [Water Quality & Rainwater Harvesting Solutions](#)
  - [Automatic Control Valves](#)
  - [Flood Protection Backflow Systems](#)
  - [Specification Drainage](#)
  - **And More!**

**If you have additional questions or needed information on his presentation, please contact Adam Haussman with Delco Sales: [ahaussman@delcosales.com](mailto:ahaussman@delcosales.com) or 562-522-6363**

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\*See back page for schedule

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**TECHNICAL REPORT**

Vahan Margaryan CPD, GPD  
V.P. Technical

Such a great turnout at the joint meeting with ASHRAE SoCal chapter at Quiet Cannon Conference & Event Center on February 7th. It was so great to see so many of our fellow ASPE members in-person. I was under the impression that members of ASPE LA and ASPE OC had a much larger represented than ASHRAE :-). Also Bob Woods, as always, conducted a great presentation with detailed information – thank you, Bob!

Dear ASPE LA members, for the March and April meetings we will be back to our original location – Courtyard By Marriott at 2100 Empire Ave, Burbank, CA 91504. However for the May 3rd meeting ASPE Board is coordinating with ASPE’s longtime friend Amir Tabakh (LADWP) and his team to conduct presentation in relatively new La Kretz Innovation Campus building. More information will be shared with you soon.

ASPE LA Chapter Board of Directors and committee members are still working on a golf Tournament and summer picnic details, updates to follow soon.

The 2023 ASPE Tech Symposium, to be held September 28 – October 1, 2023 in Bellevue, Washington (outside of Seattle). It will be the premier professional development event for plumbing engineers and designers to learn new skills, advance their careers, and improve productivity for their companies and clients. If you are interested to present at this event, please submit your application at [aspe.org/2023-presenter-application](http://aspe.org/2023-presenter-application).

ASPE and the American Rainwater Catchment Systems Association (ARCSA) are pleased to announce that ARCSA/ASPE/ANSI 78-2023: Stormwater Harvesting System Design for Direct End-Use Applications was approved as an American National Standard (ANS) by the American National Standards Institute (ANSI) on February 6, 2023. ARCSA/ASPE/ANSI 78-2023 will assist engineers, designers, plumbers, builders/developers, landscape and irrigation professionals, state and local government, and end users in implementing a stormwater harvesting system while protecting public health and safety. It applies to new stormwater harvesting installations, as well as alterations, additions, maintenance, and repairs to existing installations. ARCSA/ASPE/ANSI 78-2023 continues where ARCSA/ASPE/ANSI 63-2020: Rainwater Catchment Systems ended, in terms of harvesting surfaces. It supersedes ARCSA/ASPE/ANSI 78-2015.



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**Case Study: Panorama Towers, Las Vegas, NV.**

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**TEST REPORT**

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<http://www.iapmort.org>

Report Number: 2536-18001-002 Project No.: 29225  
Report Issued: February 26, 2018.  
Client: Aqua-Rex  
3301 Spring Mountain Road Ste 18  
Las Vegas, NV 89102 Contact: Jonny Secombe  
Source of Samples: The samples were shipped to IAPMO R&T Lab from Aqua-Rex, and received in good condition on October 11, 2017.  
Date of Testing: October 25, 2017 through December 15, 2017.  
Sample Description: Scale Prevention Device; model: Aqua-Rex WK1-E.  
Scope of Testing: The purpose of the testing is to determine the efficacy of the Scale Prevention Device per section 5 of IAPMO IGC 335-2018, entitled "Rapid Scaling Test for Scale Prevention Devices".

CONCLUSION: **When tested per Section 5 of IAPMO IGC 335-2018, Aqua-Rex WK1-E reduced scaling by 83% when applied to Las Vegas water heated to 180°F.**

Tested by,

Reviewed by,

*Hank Ninh*  
Hanks Ninh, Project Engineer

*Sean Vuu*  
Sean Vuu, P.E., Manager, Specialty Projects

**LEGISLATIVE REPORT** • Vivian Enriquez CPD, FASPE • V.P. Legislative

What a great joint-meeting with ASHRAE-LA Chapter!!! Well-attended by quite a number of ASPE members both from Orange County and Los Angeles Chapters!!!

I have no legislative items to report this time, but want to share the latest report for those that are not following news, from the Society's ASPE Education & Certification.

**Join the Plumbing Engineering Elite This Year!!!** This is the Certified in Plumbing Design (CPD) program which is the only international credential for engineers and designers of plumbing systems. The CPD credential this year will be on April 1-21, when the exam will be held via remote proctor. To determine if you are eligible to take the exam please visit [aspe.org/education-credentialing/cpd/exam](http://aspe.org/education-credentialing/cpd/exam).

Why CPD? The CPD program sets the standards for excellence within the industry and provides formal recognition of outstanding professional with advanced skills in the design and specification of plumbing systems.

What will it cost you? The cost to take the 2023 CPD exam is \$450 for ASPE members and \$675 for non-members. Deadline for registration is March 31, 2023.

HCAI (previously known as OSHPD) issues Code Application Notices (simply know as CANs) to interpret specific sections of the California Standards Code. A Policy Intent Notice (PIN) is the Department's policy on a specific subject. You would find CAN: 1-0 on HCAI's website regarding Enforceable Codes. The latest revision was dated 01/10/2023. This CAN clarifies the application and enforcement of California Code of regulations (CCR), Title 24, including revisions to the code, for projects submitted to HCAI to ensure consistent application and enforcement.

For the City of Los Angeles, Ordinance No. 187719, is the ordinance amending Chapter IX of the Los Angeles Municipal Code to incorporate by reference certain portions of the 2022 Edition of the California Building Standards Code and to make local administrative, climatic, geological, topographical or environmental changes.

Refer to the Los Angeles Department of Building and Safety (LADBS) website for the complete content of the above ordinance. The plumbing code is under section 94.101.1. This section is known as the "Los Angeles Plumbing Code," a portion of the Los Angeles Municipal Code, and wherever the word "Code" is used in this article, it shall mean the "Los Angeles Plumbing Code" and whenever "LAMC" is used, it shall mean the Los Angeles Municipal Code. Whenever the word "City" is used in this article, it shall mean "City of Los Angeles." Whenever the word "Department" is used in this article, it shall mean "Department of Building and Safety".

If there are other items you want me to touch on, please do not hesitate to contact me. My email address and telephone is at the last page of this newsletter.





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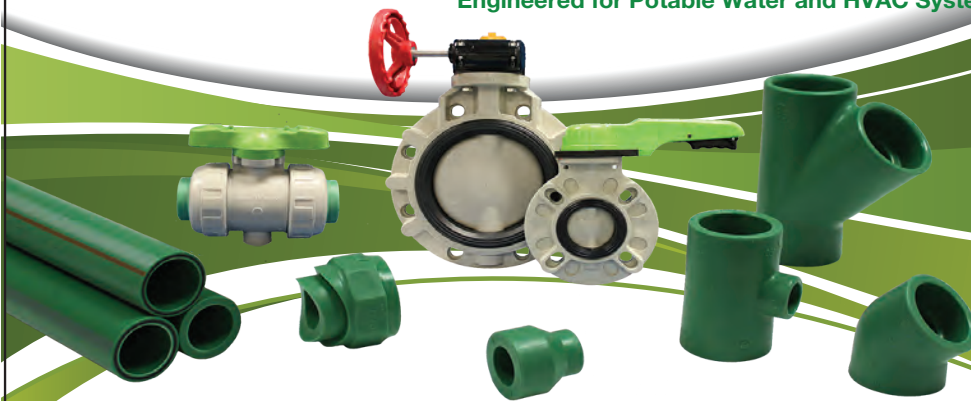


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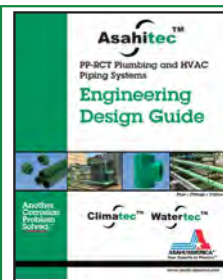
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## Sporting Clays Shotgun Shooting Fundraiser offered by Moore and Moore Sporting Clays to benefit Scout Troop 209, Burbank



**When:** Saturday, April 15, 2023

Sign-in starts at 7:15 a.m. Shooting starts at 8:00 a.m.

**Where:** Moore N' Moore Sporting Clays

12651 Little Tujunga Canyon Road, Sylmar, CA 91342

818-890-4788

**How Much:** \$150 per person

Includes 100 clays, 100 shotgun shells, Lunch, Safety equipment (Safety Glasses and Ear plugs). If you don't have a shotgun, loaners are available.

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**GENERAL MEETING MINUTES**

Jeff Atlas

*Administrative Secretary... and your newsletter editor*

Cheers to Dr. Robert Woods for a most excellent presentation outlining highlights of the new government mandate to electrify everything. Your choice to use clean natural gas to heat water or cook food is being taken away and every new building will be forced to be built with electricity as its sole supply of energy.

Our engineering community will be needing to discover how to specify heating equipment through this mandate. Heat Pump appliances are on the forefront of possible technology to allow this to happen as electricity in the state of California is in short supply as evidenced by signage around town asking residents not to run appliances or charge their electric cars during certain hours when the demand on the "grid" is high.

Heat Pump equipment for making hot water is a whole different mindset and Dr. Woods explained the challenges beautifully to all of those in attendance.

This topic of discussion will be continued in our future meetings as new code requirements continue to evolve.

The ASHRAE folks were so gracious as to invite ASPE members into their monthly meeting as part of an effort to integrate the two organizations who essentially do the same thing... that is to design buildings with integrity to the safety and comfort of us all. Clean, breathable air, clean potable water and a comfortable indoor experience for all people whether in your own home or some commercial building is what our professional engineers accomplish.

Through education and understanding, this gets accomplished as a matter of course. The public never even really has to think about it. We all just walk into a building and expect it... which is why APSE & ASHRAE exist.


Your participation is critical. Please stay involved.



February 2023: ASPE/ASHRAE joint meeting


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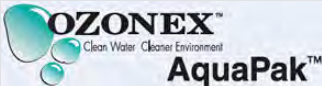
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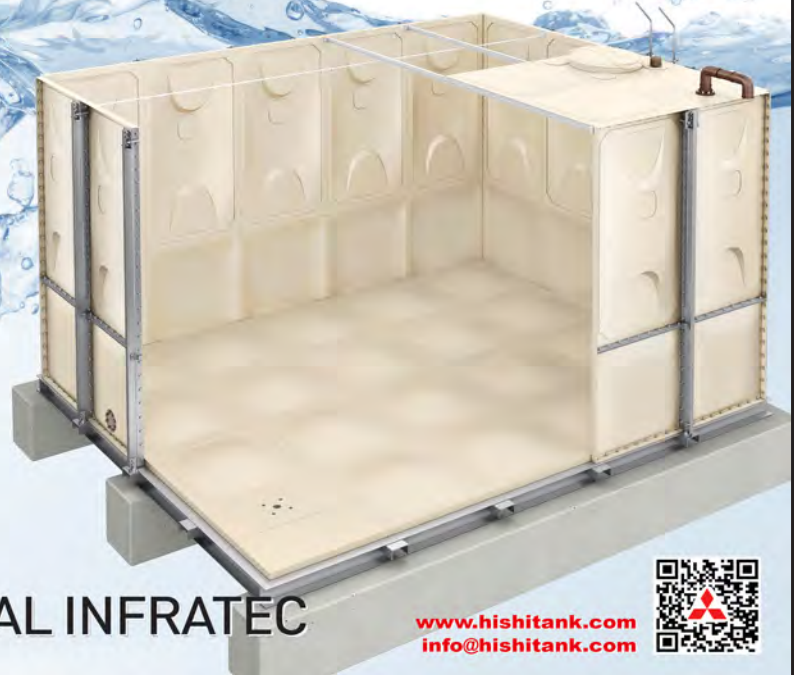
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**MEMBERSHIP REPORT**

Robert Galaviz CPD  
V.P.Membership

First things first, I'd like to welcome the following new ASPE members: Vishal Diddi P.E. and Mauricio Campos P.E. Welcome to the LA Chapter!

Thanks are also in store for those who made it to the joint ASPE & ASHRAE meeting that took place in February.

As far as the current membership news, we are adding new head count but need to do a better job ensuring that existing members with expiring memberships renew as soon as possible.

If any members are having difficulties with the renewal process or have been experiencing any hardships that might prevent you from renewing, please reach out to any member of the LA ASPE Board. We'd be glad to help.

If you'd like to sign up to become a member or renew your membership, please visit the following URL: <https://www.aspe.org/membership-global-community/join/>



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PRESIDENT: continued from page 1

dwelling. You can get details of this Ordinance at the following website: <https://www.ladbs.org/services/green-building-sustainability#all-electric>

Our March 1st meeting is in person only. We would like our chapter members to come and join our in-person meeting. We are still looking for the meeting place which will be more centralized to commute for our members from south and west of downtown LA. The most likely to be where ASHRAE meeting location, The Quiet Cannon, Montebello.

Still our golf committee is looking for our next golf tournament location and we do not have a fix dated yet. Our Golf Committee Chair Bill Siler is looking for the best date and time for our members. We'll let all know ahead.

The 2023 ASPE Tech Symposium is a two and one-half-day conference held at the Hyatt Bellevue, Bellevue, Washington. This is a premier opportunity for plumbing engineers and designers at all career levels to engage in productive technical exchanges and networking. So, save the date!

As always, do not hesitate to reach us or any board member for any topics that you may want to see in any of our technical programs. Watch your email for the next meeting invite and I look forward to seeing you all at the next meeting.

I want to wish you all a wonderful upcoming spring season. Please take care of yourselves and each other. Stay Safe.

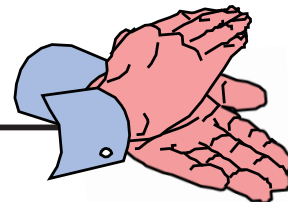


**WHO Showed up?**  
Attendance for the **February 2022** Meeting...

The total number in attendance was

**88!**

plus our speaker!




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### PLUMBING CONFIGURATION

The dual point-of-entry submetering at 360 State Street means that the plumbing is configured so that one riser branches into the apartment for cold water. A second



riser delivers domestic hot water created centrally by recovering heat from a CHP system. Water enters the apartment in the utility closet and there are two water meters in each apartment, one for cold and one for hot water.

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Typical 1-2 bedroom apartments at 360 State Street average 45 to 55 gallons of water use per day. This is almost half the national average of 70-90 gallons per day. This savings is the result of billing tenants for water and proactive water leak detection. Another energy-savings benefit came from billing tenants for electricity and providing thermostat controls resulting in heating & cooling costs being 10 to 20% below apartments without submetering.



**Read the full case study on 360 State Street by visiting H2O Degree's website at [www.h2odegree.com/aspela.php](http://www.h2odegree.com/aspela.php)**



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