



PRESIDENT

JESSICA WOZNIAK - MPSW

Greetings ASPE Phoenix and a Happy Holiday Season!

As we move into a season of gratitude, I'm reminded again how fortunate we are to be part of a Chapter and Society which provides such an effective vehicle for knowledge, professional growth, and networking. I am particularly appreciative to our chapter members for turning out in force to the technical meetings this year. Last month, we welcomed an overwhelming turnout of over 90 attendees to our first-ever meeting held jointly with the ASHRAE Central Arizona Chapter. Many professionals in our field cross over into both mechanical and plumbing disciplines, and we believe that by fostering a positive

relationship with other industry organizations, we strengthen our community and positively impact our world through collaboration. Each organization is jointly committed to providing human comfort and promoting health and welfare of the public, and each member has knowledge to contribute toward fostering innovative engineering, developing smarter business practices, or improving building infrastructure. Involvement with our community is crucial to our future successes, and I am so proud of our Board, many of them who have served for multiple years, for continuing to donate their time and efforts toward keeping our chapter moving forward.

On a related note, we have been working with IAPMO to help promote the adoption of the Water Demand Calculator (WDC) for use by various building safety and development departments throughout jurisdictions in Arizona. As we all know too well, the UPC and IPC still use the standard fixture unit values developed in the 1940's despite the increased prevalence of low-flow fixtures in the United States. The WDC is the first major, peer-reviewed update of peak water demand sizing in buildings since, and its use will result in construction cost savings, less material, energy savings, reduced carbon emissions, and reduced public health and safety risk as well as improved water quality due to shorter water dwell times in plumbing systems. Ten states have already adopted the WDC as an alternative water demand sizing method, and it is our hope that jurisdictions throughout Arizona will follow suit.

We are continuing to offer free lunch at chapter meetings for engineers and designers, and we hope to continue to offset these costs through Affiliate sponsorships and through Chapter growth. If you haven't already joined ASPE as a member, please visit <https://aspe.org/membership-global-community/join/> to do so. If you're an Affiliate (rep/distributor) partner, please consider sponsoring our chapter. In addition to the golf tournament and website sponsorships, this year, we're offering 5-minute speaking opportunities at the beginning of each chapter meeting. Please let me or any of the Board members know if you are interested in taking advantage of this opportunity.

If you seek to earn your Certified in Plumbing Design (CPD) credential next year, the exam will be held via remote proctor from April 13-24, 2026. The CPD program is the only international credential for engineers and designers of plumbing systems. It sets the standard for leadership within the industry and provides formal recognition of

outstanding professionals with advanced skills in the design and specification of plumbing systems.

All potential candidates must submit a CPD eligibility form to be approved to sit for the exam, and possess one of the following:

1. Full ASPE Membership or previously received approval to sit for the exam, or
2. A minimum of four years' experience in a position of responsibility for the design of plumbing systems and a baccalaureate degree in a field related to engineering.

In lieu of an accredited degree, a candidate may substitute up to an additional four years of practical experience in the design of plumbing systems, for a total of eight years, or be granted a credit of one-half year of practical experience for each full year of education in an accredited curriculum related to plumbing engineering. Contact certification@aspe.org with questions.

Please check out the latest ASPE Connect Member Spotlight, which features our friend, Phoenix Chapter member Nathan Heitzinger, PE, CPD! Visit https://connect.aspe.org/blogs/rebekah-weidner/2025/10/14/aspe-member-spotlight-nathan-heitzinger?CommunityKey=208366ef-25b6-4f02-8560-97f4ae690eef&_zs=GAbLa&_zl=0e2j4 to learn about and connect with Nathan.

Finally, it's not too soon to block October 8-14, 2026, for the ASPE Convention & Expo to be held in Oklahoma City! Join us to explore the latest plumbing products, service and design techniques, connect with industry professionals from around the world, and earn CEUs toward your certifications. More information is available at <https://expo.aspe.org>

Hopeful for a warm and peaceful holiday season and wishing prosperity for all. See you on December 9 (one week earlier than normal) to discuss Plumbing Fixtures and Quantum Mechanics with Dan Murphy, PE, CPD!

Jessica Wozniak
Chapter President
MPSW - Sales Manager – Hydronics
jessica.wozniak@mpsw.com



VICE PRESIDENT, TECHNICAL

JIM DELONG - PIR SALES

DECEMBER ALREADY?

I hope everyone had a great Thanksgiving. Man, I sure do love me some leftovers! December is upon us, and we have Daniel Murphy speaking on Plumbing Fixtures and Quantum Mechanics. Daniel is a wealth of knowledge and should be a great presentation.

December and January are a time of reflection and sometimes panic. Do I need CEU's? Did I do enough training provided by manufacturers? As a member of ASPE, you have a wealth of learning at your fingertips. As an ASPE member this is all available to you, so take a look. (education.aspe.org).

The screenshot shows the ASPE Education website. At the top, a blue banner reads "Welcome to ASPE Education" with the subtitle "Your hub for online professional development, ASPE credentialing, CEUs, transcripts, and more!". Below the banner is a search bar with filters for "Search by Category" (ANY), "Search by Type" (ANY), and "Search by Content Type" (ALL SELECTED). A "Search by Keyword" field is also present. To the right of the search bar are five blue buttons: "Medical Gas Education" (with a MedGas Workshop logo), "Upcoming Events" (with a "COMING SOON!" graphic), "On-demand Webinars" (with a laptop and person icon), "Read, Learn, Earn" (with a book icon), and "Convention Education" (with an ASPE logo). Below the buttons is a blue banner that says "What Is a CEU?". At the bottom, there is a small disclaimer: "If you're having difficulties registering for a webinar or workshop, please do not use Internet Explorer. Please use Google Chrome or Mozilla Firefox. If you need help logging in visit [this link](#)."

You will find hundreds of free past webinars, Read, Learn and Earn articles, and even links to study sessions for the CPD Examination as well as the online link to the Green Certificate in Plumbing Design course and examination all here. This website is the best source of plumbing engineering knowledge online today, and it is a part of your membership! Check it out!

Let's have a strong showing for December and keep it going into the new year. 2026 is shaping up to be a great year. So let's embrace the new year and all that it brings. If you have any topics for discussion, please reach out to me at JimD@PIRSales.com and we can discuss. Have a great Holiday season.

Jim DeLong

VP Technical

jimd@pirsales.com



VICE PRESIDENT, LEGISLATIVE

MICHAEL ROGERS, CPD - HENDERSON

ENGINEERS

The adoption of newer construction codes along with the prevailing construction winds are dictating the use of WaterSense fixtures more and more. WaterSense fixtures are those fixtures certified by the U.S. Environmental Protection Agency that significantly lower overall water usage in homes and businesses. These products, including faucets, showerheads, and toilets, are designed to use at least 20% less water than standard models without sacrificing performance. For example, WaterSense toilets use 1.28 gallons per flush compared to the traditional 1.6 gallons (or the 3.5gpf for those of us who remember), while showerheads reduce flow from 2.5 to 2.0 gallons per minute. By installing these fixtures, businesses and households can save thousands of gallons annually, cut utility bills and reduce the strain on municipal water supplies. Nationwide, the adoption of WaterSense products has saved over 6.4 trillion gallons of water since 2006, making them a key component of sustainable water management. So WaterSense fixtures have become easier to employ into our designs through continued use however, with the adoption of new codes the use will be going from an elective selection to required. As always, when in doubt about the codes and/or amendments governing your project contact your local code official.

Michael Rogers, CPD - Henderson Engineers

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ASPE Phoenix Chapter VP Legislative



VICE PRESIDENT, MEMBERSHIP

HOLLY BRUNS - MAINLINE SALES

And just like that- The 2025 Year end is upon us - and again the turnout at our Chapter Meetings have been amazing.

Again, We Want to thank the following Engineering firms that have been out to support – these meetings are so important for discussions and education. Their support has been amazing.

We also so appreciate the continued support from our local Rep Agencies, with all of us out hitting the streets and building our program as well as our Chapter. The positive outcome is noticed. Let's Make 2026 just as amazing.

We have another early meeting date due to the holidays. We hope everyone can come out and join us on December 9th (a week earlier than normal). If you don't follow us on LinkedIn- Please connect to the ASPE Phoenix Chapter Page we created there and that I manage for our chapter. We post meeting dates and times with speaker information.

Thank you all and as the holidays approach, please enjoy and celebrate with family and friends.

Holly Bruns

VP Membership

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Professional Engineering Prospective

Happy Holidays to One and All,

You are reading this and thinking, why is Mel writing to us again and bogging us down with another article in a new section of the newsletter?

For a variety of reasons:

- 1) I am still involved on the board as the immediate past president of this chapter and the Sargeant-At-Arms. As such, I am a non-voting

advising and appointed member of the ASPE Phoenix Board of Directors.

- 2) **I am a registered professional engineer, and we have a lot of members who are Professional Engineers as well (mechanical and architectural). These members might appreciate a fellow registrant's point of view on an issue or a trend in the Phoenix plumbing design community. After all, you can only legally say you are an engineer if you have passed the PE Exam.**
- 3) I am your new Newsletter Editor and as such I am putting together these articles and making sure you get that email every month, and I have been doing this since September for our group.
- 4) The board asked me to contribute since I have a lot of great article ideas and will fill in as a "ghostwriter" to ensure we have newsletter articles that go out for each position each month of the season.
- 5) To inspire YOU to contribute to our newsletter yourself! We want to hear from you! If you ever want to write an article that will be a part of the newsletter, you can do that by reaching out to me via email. We can help you write one if you are nervous about doing so but want to contribute.
- 6) I am looking forward to running for the Region 4 Director position next year at the 2026 Convention to help lead society. If I get elected, I can continue this newsletter trend for the entire region nationally.

Water Demand Calculator Summit Highlights:

Our great friend and a former Past President of the Chapter, Mr. Christoph Lohr, PE, CPD, LEED AP, ASSE 12080 was the host of the Water Demand Calculator Summit on November 5th of this month online. This was a presentation of IAPMO, and all attendees could earn up to 4 continuing education credit hours for participation. The Water Demand Calculator has been adopted by several states, and there are even jurisdictions that require single family residential projects to use the calculator for design compliance. Seattle, WA is an example. As a courtesy, IAPMO will always provide a free tool in Excel to facilitate design: <https://iapmo.org/we-stand/water-demand-calculator>.

However, they are initiating a new tool that will require a subscription to use that will allow more robust calculations and also summaries as well for use on construction drawings. That location for the premium program is here: <https://wdcpro.iapmo.org/>. Christoph went over how to use the WDC Pro subscription service to right-size an example project as a part of the Summit. There is a great example on YouTube that elaborates on this: <https://youtu.be/EkJMVMdyerk?si=4C2AsWSJpueRm7UN>.

You can register for any IAPMO training course or seminar at iapmolearn.org, I recommend bookmarking this on your web browser. You can create a free account there and sign up for future events. Some events might even be free for ASSE members or UPC members.

Professional Engineering Working Group News:

Are you aware that ASPE has been working with the National Council of Engineering Examination and Surveying (NCEES) to help **develop an afternoon depth examination in plumbing under the Mechanical Engineering Professionals and Practice Examination**? Currently, there are no plumbing design calculations or concepts on the Professional Engineering Examinations (either Mechanical or Architectural). ASPE's **Professional Engineer Working Group** have been working on this initiative for almost a decade now, and they are putting the finishing touches on writing examination questions. ASPE has an entire website on this initiative and the progress on it located here: <https://aspe.org/membership-global-community/committees/professional-engineer-working-group/>. We are probably less than two years away from having plumbing as a depth (afternoon) part of the PE Mechanical Examination thanks to the efforts of ASPE members all over the country!

I will continue to write my PE Prospective article every month. You can always find me at the meetings at the check-in desk assisting our Treasurer, Grady with the registration process. Don't forget – if you are a designer or engineer like myself, you eat for free, lunch is on the ASPE Chapter.

You should be able to sign up in advance for each meeting on www.aspephx.com. Some people are saying that they are unable to sign up for our free lunch. You can always register in advance for

free on www.aspephx.com as a non-paying attendee in the pay for later category, and this can still get you on the list for attending and you won't be paying later if you are in the design field.

Please register if advance if you can. This helps us give Aunt Chiladas the most accurate head count possible for food and to ensure you have a seat at the tables as well.

We look forward to seeing you a week earlier than normal for our December meeting on the 9th. Please register for that meeting at www.aspephx.com.

Be blessed, be safe and be well. CARPE DIEM.

Melissa G Bowers, PE, CPD, GPD

Associate Principal Plumbing Engineer – ARCXIS

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NEXT CHAPTER MEETIING

December 9th, 2025

Joint Meeting with ASHRAE Central Arizona Chapter
Aunt Chilada's Restaurant
7330 North Dreamy Draw Drive
Phoenix, AZ 85020

11:30 - Lunch and Social

Noon - Meeting Start



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