



Chapter Newsletter | December, 2024



PRESIDENT

MELISSA BOWERS, P.E., CPD - ARCXIS

November was an awesome month for ASPE Phoenix Chapter. I am pleased to share with you that I passed my Green Plumbing Design certificate, so I have a brand new ASPE Phoenix Chapter nametag with my new initials, GPD after my name (Melissa G Bowers, PE, CPD, GPD). I have had a few people ask what the requirements are to get their Green Plumbing Design certificates. The biggest requirement is to be either a PE or a CPD (or both like I am). ASPE has a fantastic bulletin that they put together that is published online. Please see the following link. <https://aspe.org/education-credentialing/gpd/>. One interesting point is that because technologies are always changing, when the certification is up for renewal, you might be asked to take a refresher course. One interesting thing about the GPD certificate is that it used to be a course you could only take in person over the course of a few days leading up to a two-hour examination. Now, ASPE has made the entire course available for a nominal fee online, self-paced with the examination being online (so you know immediately whether you passed after you complete the examination.) I know a lot about this after just completing the process, if you have any questions, please let me know.

The November chapter meeting was regarding on-demand hot water recirculation. I have used these on several locations. Long gone should be the days of keeping pumps on during all hours of the day, or simply using an aquastat to control the operation of the pump. This was an interesting presentation regarding how only running the pump when needed really helps with the overall Water Energy Nexus of the building. The Water Energy Nexus is a hot topic right now: this is the relationship between the use of water for energy production and the energy used to treat and move the water. You must remember that a great deal of energy has already been imparted into the water before it even rises into the building just to get it from the watershed source, through to water treatment and then ultimately pumped and provided to the building at the service riser. That is really where most of our scopes begin within the building, but the Water Energy Nexus is a great reminder the energy is embedded in every drop of water long before our scope starts. This goes hand in hand with energy conservation and was the heart of the curriculum for the GPD examination.

We have a lot of exciting news regarding our chapter. Chelsae Squires is our new Women of ASPE Liaison since she was appointed in the beginning of the year— she has been a treat to work with and she is putting together the Adopt a Family program for Christmas. She will be writing an article regarding this program and the families we are being asked to help. This will be in conjunction with St. Vincent De Paul. Please look for Chelsae's article later in this newsletter. There are also details on our chapter website, www.aspephx.com.

Mr. Dan Murphy, PE, a chapter member and a fellow registered engineer will be presenting to our chapter on December 17th. Dan is also a professor who helps teach the plumbing curriculum within the UCLA Extension program. He will be presenting on plumbing codes. This should prove to be a great presentation that will help us as many jurisdictions will be adopting the latest codes next year. We are hoping to see a ton of design professionals at the meetings.

Do yourself a favor and just have ASPE Phoenix Chapter General meeting come up as a recurring meeting on your work calendar. We meet the third Tuesday of the month September thru May at Aunt Chiladas. From 11:30-1pm and our board of directors meeting starts following this chapter meeting. I have it as a standing meeting on my work and personal calendars and have for the last 16-1/2 years. If everyone in our chapter made that a habit of blocking out the time, we would appreciate it. We can issue important CEUs, that are not just needed for CPD certification maintenance but also in many states for your PE registrations. We also found out in Ohio that we can start to issue CEUs as a chapter for site tours and the like, which might help our members fulfill their CEU requirements. If you have any questions about this, please do not hesitate to reach out. This will allow us to help our members get more of their continuing education requirements.

Lastly, I want to thank you all for your support of our chapter. The board of directors – you are all fantastic, I cannot overstate my love for each one of you. All of us serve this chapter on a volunteer basis. You truly get out of ASPE what you put into it. All chapter members though - we cannot do what we do without every member, and you are all valued. God Bless you all! I count myself extremely lucky to be a proud member of this chapter for almost 17 years, I don't take a single moment for granted.

May you all have the best Holiday season ever, and I hope nothing but safe travels and great times for you and your loved ones. I look forward to seeing you in December and wish you and yours the best end of year possible.

CARPE DIEM!

Melissa G Bowers, PE, CPD

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VICE PRESIDENT, TECHNICAL

JIM DELONG - PIR SALES

Water Treatment Systems

Happy December ASPE members. I hope everyone broke out the elastic pants and enjoyed Thanksgiving.

Here in AZ we have some unique water conditions. Having moved here from the Midwest, where I thought they had bad water, AZ has crazy water conditions. Manufacturing, as well as in our homes, has seen many changes in water quality products. Softeners, TAC, RO, and ultra-pure water to mention a few. As an engineering community we have the opportunity to provide solutions for these needs. Don't be afraid to learn about water conditioning and water quality. There are a variety of manufacturers on the market that are happy to teach and train how to design a system. Branch out and show your skills with the creative use of new technologies to meet the rising quality of water demands. With zero waste RO systems, we can give high quality water, with no water to waste. TAC anti-scale systems are a way to combat hard water deposits at a reasonable cost, and very low maintenance. So let's think outside the box and challenge ourselves to conquer AZ Devil Water.

Keep the speakers' suggestions coming for the new year.

jimd@pirsales.com



VICE PRESIDENT, LEGISLATIVE

JESSICA WOZNIAK - MPSW

Greetings ASPE Phoenix,

Happy December and farewell to 2024!

As we look ahead, the City of Phoenix Planning and Development Department is currently reviewing the 2024 International Codes and the 2024 Uniform Plumbing Code for possible adoption in 2025 and are seeking code amendment proposals from the public. Any suggestions should be submitted via <https://www.phoenix.gov/pdd/devcode/buildingcode/2024-building-code>

Additionally, following the success of ASPE's in-person and online MedGas workshops, ASPE has announced a new "MedGas Basics" class on ASPE Education. The course provides a four-class introduction to Medical Gas Systems for those looking to enter the specialty. Classes can take the classes at the participant's leisure, and each offers 0.1 CEU upon completion.

These classes cover:

<!--[endif]-->An overview of medical gas system components

<!--[endif]-->Design details for patient and operating rooms

<!--[endif]-->Medical vacuum and air compressor selection and sizing

<!--[endif]-->Medical gas manifold and specialty air compressor design

Each class is available for purchase individually or as a bundle. Visit [https://education.aspe.org/products/medgas-basics-bundle?](https://education.aspe.org/products/medgas-basics-bundle?_gl=1*i0vt5p*_ga*NDQ0NDUxOTkzLjE3MjQ4NjE3MDI.*_ga_D8HQETWL7W*MTczMjcyMjM5Mi4yLjEuMTczMjcyMjQwMC4wLjAuMA..)

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Lastly, IAPMO is seeking applicants to serve as Technical Experts on the *Water Efficiency and Sanitation (WE-Stand)* task groups. Task Group Members will participate via conference call or web meeting, provide their perspective on the code, and assist in drafting recommendations for action by the WE-Stand Technical Committee. Those interested in participating may apply at

https://forms.iapmo.org/iapmo/committee/app_task_group.aspx

Act quickly – the deadline to apply is December 6.

Wishing all a happy, healthy and warm holiday season!

Jessica Wozniak

Vice President, Legislative

ASPE Phoenix Chapter

jessica.wozniak@mpsw.com



VICE PRESIDENT, MEMBERSHIP

HOLLY BRUNS - MAINLINE SALES

Hello ASPE Family. We are coming to an end of 2024 closing out the year with again an all time low attendance at our Lunch meetings. ASPE membership dropping below 150 members for the Phoenix Chapter.

December meeting speaker announcement:

Daniel Murphy

UPC 24 Administration, Definitions and General Requirements.

just want to reiterate that these meetings are for our engineering community.

CEU's , Knowledge and networking discussions on all aspects of the Professional engineering community.

2024 – rep agencies and Manufacturer's make up 90% of these meetings monthly!

I understand that it is difficult to get away from your desk. Everyone is busy and we are blessed for that. Please know that We have discussed time changes and locations changes. But no matter what way we turn or discuss with the board there are always complaints and reasons why it does not work for members on other times and locations. Evenings do not work. Family time, sporting events ect.

The location is central for all, and Aunt Chilida's takes such good care of us and keeps our costs down. We have discussed these items every meeting.

We would love to be able to have a remote meeting-added to our in-person meeting. We need an IT person to set up and we need this approved by society as well as payment upon registering online link.

So we ask- bring your co-workers, get involved - come join us in person.

You only get out of participation with what you put into it 😊

Every board member is a volunteer, and we all make the time and effort to continue to make this a successful chapter for the engineering community.

Hope to see you all at the December meeting. If you have any questions or suggestions please email me at hbruns@mlsalesinc.com or you can call me 602-690-7025

hbruns@mlsalesinc.com

From our WOA Liaison - Chelsae Squires

Adopt a local family with ASPE and St. Vincent de Paul!

This year we are pleased to announce with are sponsoring 5 local families for the holidays. This is the perfect way to give back to your local community. We have sponsored 5 families and only have 4 more remaining! If you wish to sponsor an entire family that is great, but you are also able to donate individual items as well. Please feel from the reach out the Chelsae Squires at 480-653-0656 or chelsaes@rencosales.com to more information on how you can help! Lets make this holiday season great for those in need!

NEXT CHAPTER MEETING

December 17, 2024

Aunt Chilada's Restaurant
7330 North Dreamy Draw Drive
Phoenix, AZ 85020

11:30 - Lunch and Social

Noon - Meeting Start



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