

ISSUE

02

OCTOBER
2025

Vol 28 No 2

AMERICAN SOCIETY OF
PLUMBING ENGINEERS
CENTRAL FLORIDA
CHAPTER

Newsletter

Anniversaries:

Harold H. Condo P.E.—42 YRS

JOSE RAMON FLORES JR—6 YRS

Edwin Gonzalez CPD, GPD—16Y
RS

Henry Hernandez —2 YRS

Steven Horton —13 YRS

Erich Allen Machado 1 YR

Joshua Mackey 1 YR

Karley Paulling Cerney —2 YRS

Joseph Porter —1 YR

Chad Leverett Tierney —2 YRS

Jose David Velez Martinez G.E.—

4YRS

James R Walsh —3 YRS

Birthdays:

Robert DeMeola

JOSE RAMON FLORES JR

Edwin Gonzalez CPD, GPD

Donald Patrick Goodman

Henry Hernandez

Art B Hill P.E.

REECE HOBEN

Steven Horton

Erich Allen Machado

Joshua Mackey

Luis F Merle P.E.

Harold Moret

Mindy N O'Neal P.E., LEED AP

Karley Paulling Cerney

Joseph Porter

Carlos C Rivera



Inside this issue:

President's Report **P.2**

VP Legislative Report **P.6**

Women Of ASPE Liasion **P.7-8**

Affiliate Liasion **P.9**

October Chapter Meeting:
October 28, 2025-6:00-8:00 PM

Our Chapter Meeting
Location:

CMTA

Thermal Expansion & Design Con-
siderations for Domestic Water
Heating and Hydronic Applications

**600 Orlando Ave, Maitland, FL
32751, FLOOR 3, TAKE ELEVATOR
ON RIGHT HAND SIDE.**

Presented by: Brent Taylor, Sr. ASME Sales Engineer for Worthington Enterprises – Amtrol

Overview:

Tanks have been used to control thermal expansion since the introduction of hydronic boilers in the early-1900s. With municipal cross-contamination programs becoming prevalent starting in the 1960s and ultimately leading to required backflow prevention devices being standard in many commercial applications by the 1980s, the need for thermal expansion controls became a critical component for domestic hot water systems...leading to the invention of the domestic thermal expansion tank in 1991. Although thermal expansion tanks are required for nearly all commercial projects that include domestic water heating, there continue to be substantial gaps in both design and installation that ultimately lead to operation and safety risk.



CENTRAL FLORIDA

Local Chapters are not authorized to speak for the Society.



President's Report—By Jennifer Kline

Email: JKline@peifla.com



Hi Central Florida, we have started out the year off and running. We hosted the 2025 Tech Symposium in Orlando from Sept 24-28th. Thank you to all the volunteers and our sponsors. We couldn't have done it without your help and support. Thank you to the 2025 Tech Symposium Commitee and all your time dedicated to this event! It was a hit, and everyone loved the Central Florida Chapter shirts! The Central Florida Chapter Committee members: Edwin Gonzales, Eric Knauth and Jennifer Kline received a Certification of Appreciation. The Central Florida Chapter received the Award of Merit and Two of our chapter members received the ASPE Award of Excellence Challenge Coin: Edwin Gonzales and Chris Farr. Congratulations Gentlemen and thank you for all you do for ASPE.

On October 7th seven members of our chapter volunteered at the Ronald McDonald House for the Share-A-Meal Program. Thank you for your time and support. Thank you, Pat Goodman, Jim Phelps, Lori Blum, Diane Wingard, Henry Scott, Jennifer Kline and Edwin Gonzalez, for your time and support. Thank you, Edwin, for organizing this event.

On October 10th, WOA hosted 80's Themed Murder Mystery at the Embassy Suites downtown Orlando. The night was filled with fun, family and friends. Thank you, Aimee Fernandez, for organizing this event and a special thank you to our Sponsors for this event!

Still to come this month is our Technical Meeting on Tuesday, Oct 28th. Come join us as we further our knowledge in Expansion Tanks, we will have Halloween Suprises and the drawing for our Back Stage Tour that will take place on November 18th at 3:30pm. See our website site for details! www.CF-ASPE.com



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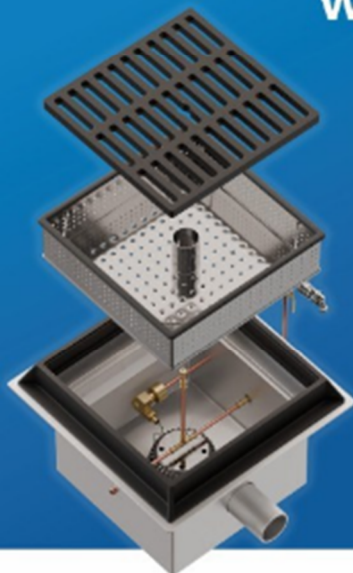


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Complies with CA Prop 65

Specs and drawings available at eeeusa.net



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Senior Director
Technical Services
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Vice-President-Legislative Report—By Eric Knauth, PE

Email: eric.knauth@exp.com



October newsletter – VP-L

The federal government, specifically the Department of Energy (DOE) has new water heater standards that go into effect October of 2026, affecting gas-fired water heaters. These regulations are efforts to reduce the overall energy consumption within the United States. These requirements impact Tank Efficiency, Standby Loss, and the Uniform Efficiency Factors (UEF). But what does all of this mean for your design?

Commercial gas-fired tank type must have a 95% minimum thermal efficiency.

Commercial gas instantaneous must have a minimum 96% thermal efficiency.

This means that all commercial grade water heaters will be required to be condensing type. Non-condensing water heaters will no longer be manufactured, nor allowed to be imported.

Additionally, there are even more standards that go into effect May of 2029, affecting residential water heaters, with this being termed as NAECA 4. The changes to gas fired tank-type models are minimal, with the largest change requiring a damper on atmospheric models. Instantaneous gas heaters are not impacted by this rule. As for electric tank-type heaters, the new UEF and first hour ratings (FHR) requirements will apply to different sizes affecting each manufacturer slightly differently.

Tank capacities between 20 and 35 will now have a maximum FHR of 50 gallons and maximum temperature setting of 135F.

Manufacturers that have nominal capacities of 40 gallons, where they may be 36 or 37, will be reduced to 35 gallons.

The largest impact is that tanks from 35 to 120 gallons will require heat pump style for compliance. There will not be any residential electric tank type water heaters

above 35 gallons in size.

This will have a tremendous impact on replacement heaters. Residential style low-boy type heaters above 35 gallons are outlawed, where this is a common heater used in apartment and condos type applications where stacked under the AHU. A smaller heater will need to be used that reduces the stored volume. Putting aside the height concerns, swapping an electric tank type with a heat pump could also prove challenging for the required air flow and the condensate connection.

Note, both of these standards impact what manufacturers are able to produce (or import). If the product was manufactured (or imported) before these dates, it can still be installed and utilized. The changes will result in manufacturers updating their products and associated cut sheets, and discontinuing other products for compliance. For additional information, view the information directly from the DOE or multiple water heater manufacturers also have verbiage on their websites. Start considering these impacts for your designs today!



WOA Liaison's Report—By Aimee Fernandez, CPDT

Email: AFernandez@matern.net



October newsletter – WOA

On October 10, the Women of ASPE hosted our 2nd Annual Murder Mystery at Embassy Suites Downtown Orlando, kicking off our Halloween festivities a little early. It was a night filled with laughter, intrigue, and unforgettable memories as guests put their detective skills to the test to solve a thrilling whodunit.

This event would not have been possible without our incredible reps and sponsors. Your support, generosity, and enthusiasm helped make this evening such a huge success. From the lively conversations to the fabulous raffle prizes and interactive mystery performance, we could not have asked for a better night.

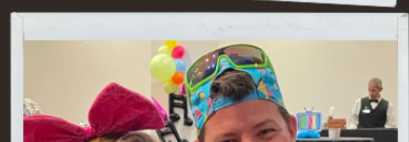
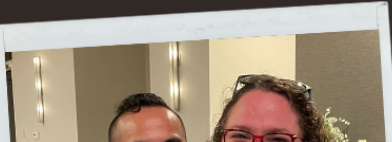
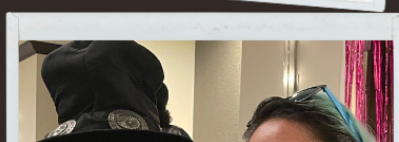
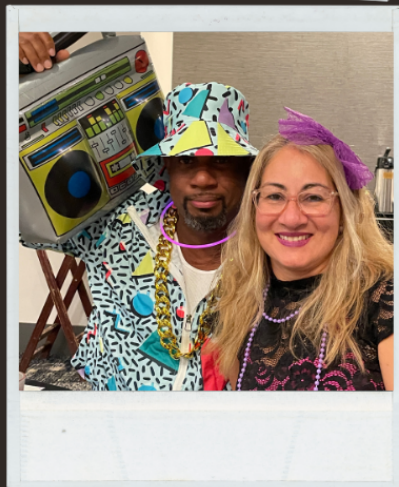
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|--------------|---|--------------------------------|
| T&S Brass | - | Bill Brazee & Bill Orris |
| Oasis | - | Whitney Morgan & Wes |
| Reinert | | |
| RM Myers | - | Nelma Bazaldua & Eloy Bazaldua |
| Carr Company | - | Taine Dagostino |
| TOTO | - | Kris Feneque |
| Spirit Group | - | Eric Homles |
| McWane | - | BJ Shrader |

With gratitude,
Women of ASPE
Empowering. Supporting. Connecting.



WOA Liaison's Report—By Aimee Fernandez, CPDT
Email: AFernandez@matern.net

Women of ASPE





Affiliate Liaison's Report—By Jorge Megias

Email: Jim.Phelps@viega.us



Th FL ASPE Newsletter – October 2025

Dear CFL ASPE Affiliate Members,

WELCOME BACK!!!

The weather is cooling down and CFL is dodging an active hurricane season. As we enter the 4th quarter of 2025, CFL ASPE is back, recharged, and rolling—and we hope you are too!

NEW MEETING LOCATION

We're excited to welcome you to our new venue for ASPE meetings:

■ CMTA Office

600 South Orlando Ave, Maitland, FL 32751

As your Chapter Affiliate Liaison, I'm thrilled to share some exciting activities and events lined up through early 2026. Mark your calendars!

UPCOMING EVENTS

- September 24–28, 2025
ASPE Tech Symposium – Don't forget to register and attend this key industry event! COMPLETED
- October 7, 2025 - Ronald McDonald House – ASPE Volunteer COMPLETED
- October 10, 2025
- WOA Murder Mystery Theater – A fun and interactive evening! COMPLETED
- November 2025
- Toys for the Ronald McDonald House – Help us give back this holiday season.
- Universal Epic Backstage Tour – Get a behind-the-scenes look at the magic!
- December 4, 2025
- Top Golf Social Event – A fun night of networking and games!
- February 6, 2026
- Annual Clay Shoot – Aiming for fun and fundraising.
- February 20, 2026
- WOA/AYP Hockey Night – Join us on the ice for some fun and camaraderie.

We Want to Hear from You!

Have ideas or suggestions? Want to enhance the value of your membership? **Your feedback is vital.** Please feel free to reach out to me with any thoughts, concerns, or proposals you'd like shared with the Board.

Get Involved!

- Interested in sponsoring a **technical session** or **tabletop presentation**?
- Know someone who could?

Want to **bring a guest** (or be our guest)?

This is a great time to **get engaged** with CFL ASPE and see what we're all about. We're planning a dynamic year and look forward to participating with other ASPE Chapters across Florida.

Lessons Learned



During our careers, most of us will stumble upon an interesting interpretation of our construction documents. This page is dedicated to those hopefully rare finds, forever immortalized in photographs. This month's photo was taken by Derek Reed, and features a backflow preventer located by an innovative jack stand / pipe support abomination.

Please keep an eye out during your travels, and send us your best photos of plumbing or fire protection gone wrong!



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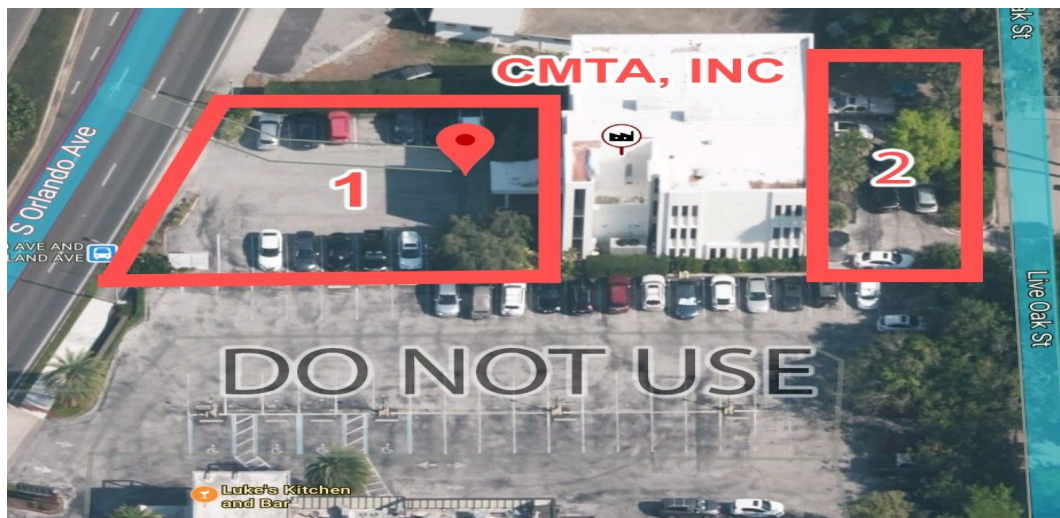
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Upcoming Events:

- Toys for the Ronald McDonald House – Help us give back this holiday season.
- Universal Epic Backstage Tour – Get a behind-the-scenes look at the magic!
- Top Golf Social Event – A fun night of networking and games!
- Annual Clay Shoot – Aiming for fun and fundraising.

All contributions to this newsletter are welcome, whether it be an article, Lessons Learned photo, etc. We will publish the newsletter one week prior to the chapter meeting, which is held on the 4th Tuesday of each month. Please have all contributions submitted no later than the 3rd Monday of each month to be considered for that month's issue. Contributions received after the deadline will be held until the following month.

CMTA 600 Orlando Ave, Maitland, FL 32751, FLOOR 3, TAKE ELEVATOR ON RIGHT HAND SIDE. PARKING IS AVAILABLE IN SPOTS 1 & 2 ONLY.



Inexpensive advertising is available in the ASPE Central Florida Chapter Newsletter. Rates are good for one year (10 issues). If you would like to place an advertisement, please make checks payable to: Central Florida Chapter of ASPE, along with your ad, and remit to: P.O. Box 2522, Winter Park, FL. 32790.

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Business Cards:	\$125.00	\$175.00
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Half Page:	\$250.00	\$300.00
Full Page:	\$400.00	\$450.00
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