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HOUSTON CHAPTER

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# ASPE Newsletter

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Chartered July 10, 1968

May 2025

Houston, Texas

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## Houston ASPE Board of Directors



Jaime Cruz  
Chapter President



Billy Turcios, CPD.  
VP Technical



Curtis Dady  
VP Membership



Dave Cropper  
VP Legislative



Chris Tuey  
Administrative Secretary



Geoffery Moore  
Treasurer



Hannah Harris, P.E., CPD  
Corresponding Secretary

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# ASPE Houston Spring Social at Top Golf

Free to members plus one industry guest!



May 1st 2025



5:30 Pm -8pm



1030 Memorial Brook Blvd, Houston, TX 77084

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# President

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May 2025

What an amazing show once again! While there were a few hiccups, we pulled through and made it happen. It was a pleasure meeting new industry professional who are as passionate about what they do as we are, and who generously offered their support throughout. A big thank you to all attendees, exhibitors, sponsors, volunteers, technical speakers, committee members, and BOD members. Your dedication and contributions made this Product Show both memorable and successful.

Looking ahead in May, we are hosting a Top Golf event on the 1st, please go to our ASPE Houston website for details and registration. We will also have our regular scheduled chapter meeting May 7th At Dukessa.

Reminder info - We are planning to have our Board of Director's elections at the May meeting and would like to see everyone there. See below for Board of Director's 2025-2026 nominees:

President: Billy Turcios

VP Technical: Chris Tuey

VP Membership: Curtis Dady

VP Legislative: Hanna Hillard

Administrative Secretary: Lawrence Richardson

Corresponding Secretary: Pierce Waldrop

Treasurer: Geoffrey Moore

And lastly—unfortunately, the time has come. My term as President of the Houston ASPE Chapter is nearing its end. I want to sincerely thank the Board of Directors for their unwavering support and for trusting me to lead during my term. Over the past 8 years, I've had the privilege of meeting so many incredible people, forming friendships and professional connections that I know will last for years to come. While the role has had its challenges, it has also been incredibly rewarding. I've learned and grown so much—not just as President, but through the various Board positions I've held over the last 8 plus years. But don't think you've seen the last of me! I don't plan on disappearing anytime soon. You'll still find me at future chapter meetings and events—just this time, I'll be in the crowd alongside all of you.

Thank you all for a whirlwind of a journey. It's been an honor.

Thanks,  
Jaime Cruz  
President

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# VP Technical

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Dear ASPE Houston Members,

Wow—this year is flying by!

I want to start by thanking everyone who attended last month's Technical Seminar. We had a strong turnout and explored a wide range of engaging, informative topics. Your presence and participation are what continue to make these events so meaningful and successful.

A quick reminder: I'm currently in the process of uploading CEU credits to ASPE National. You should receive them before the end of the month—thank you for your patience! A heartfelt thank you to all of our presenters for generously sharing your time and knowledge. Your support is the backbone of these seminars and a big part of what makes them so impactful.

I'd also like to recognize our breakfast and lunch sponsors:

Eddie Villalta with EVAC North America, Inc. – for providing breakfast  
Joe Brewers with SpecTex Solutions – for sponsoring lunch

As your current Vice President, I want to take a moment to acknowledge the exceptional leadership of Jaime Cruz, our outgoing Chapter President. Jaime, your vision and dedication have helped elevate this chapter to new heights. Thank you for your guidance and for setting a standard of service and excellence that I hope to live up to if elected as your next President. It has truly been an honor to serve alongside you, and your impact on our chapter will continue to resonate for years to come.

Please join us on May 7, 2025, for our next general meeting at Dukessa—we'd love to see you there! While our speaker schedule is booked through the summer recess, I'm always open to new ideas for future presentations. If you or someone you know is interested in speaking, feel free to reach out to me at [Theturciosfam@gmail.com](mailto:Theturciosfam@gmail.com) or 832.229.7819. Thank you again for your continued support and involvement. We look forward to seeing you at the next meeting!

Warm regards,  
Billy Turcios  
Vice President, ASPE Houston Chapter

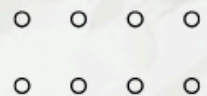
# Register today!



**ARLENE DURON**

**AERCO**

**CASPE**  
American Society of  
Plumbing Engineers™  
**H O U S T O N**



You don't want to miss our on our  
cupcoming technical lunch meeting  
with Texas AirSystems and AERCO

**Topic: Combination Plants using  
Space Heating Boilers for Domestic  
Hot Water Heaters**

**REGISTER TODAY**

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

## SPEAKER



**May 7th**  
**Dukessa Event Center**  
2840 Chimney Rock Rd.  
Houston, TX 77056

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# Special Interest Groups

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Women  
of ASPE®



**Catelyn Cantwell**

We're excited to welcome Catelyn Cantwell of Ferguson Enterprise as the new Women of ASPE representative for our Houston chapter! Catelyn brings her dedication and energy to this role, and she's eager to strengthen connections within our community. She's already working on a fantastic lineup of events for the new year, so stay tuned for opportunities to get involved, network, and grow together. Let's support Catelyn as she leads the way for Women of ASPE Houston!

ASPE  
YOUNG  
PROFESSIONALS



**Michael Balboni**

The ASPE Young Professionals (AYP) special interest group is designed for young industry professionals looking to meet with peers to share experiences, exchange ideas about the plumbing design industry, and network with other chapter members. The focus of AYP is to help young plumbing engineers, design professionals, and practitioners establish contacts and further the mission of the Society. ASPE Members 35 years old and younger are all included in this special interest group.

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# VP Membership

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## Welcome new/returning members:

Paige Hubert (TAS), Clint Kimmell (Zurn), Mark Milstead (WWIP), Brenda Mora (E|B|E), Teresa Norton (LEAF), Nic Piano (Pumps of Houston), Heidi Plumley (TAS), Creed Roberts (Stan Roberts), Alyssa Romero (Zurn/Elkay), Barek Stubblefield PE (Huitt-Zollars), Carmen Vazquez Texas Steam & Instr), Jerry Venable (Letsos), Jay Walden (Tri-Rep), Sam Williams (GOES Sales)

Chapter	Mar-24	Mar-25	% Increase
Chicago	288	306	6%
Dallas/Ft. Worth	273	280	3%
Houston	237	260	10%
Central Texas	142	169	19%
Wisconsin	162	166	2%
Minnesota	145	146	1%
Kansas City	130	145	12%
St. Louis	130	133	2%
Omaha	74	79	7%
Oklahoma	69	65	-6%
Arkansas	50	55	10%
Central Illinois	31	32	3%
Lubbock High Plains	10	12	20%
Region 5 Total:	1741	1848	6%

**Curtis Dady**  
VP Membership

## Member Benefit Tips

### BOOST YOUR INDUSTRY VISIBILITY

Demonstrate your abilities to lead and boost your industry visibility by volunteering to join your Chapter Board of Directors or apply to join the Society Board of Directors. Employers, clients, and coworkers respect and look up to ASPE Chapter and Society Officers. Without our leaders, we would not have a Society; it's worth the work.

### SPECIAL-INTEREST GROUPS

ASPE Young Professionals (AYP) is designed for young industry professionals looking to meet with peers to share experiences, exchange ideas about the plumbing design industry, and network with other Chapter members. The focus of AYP is to help young plumbing engineers, design professionals, and practitioners establish contacts and further the mission of the Society. ASPE members 35 years old and younger are all included in this special-interest group.

The core mission of the Women of ASPE (WOA) is to engage, retain, and advance women in the plumbing design industry, through education, leadership development, and networking opportunities. WOA is committed to bringing together women and assisting them to achieve their professional and personal goals.

### MEET POTENTIAL CLIENTS/MEMBERS

If you are an Affiliate member, in sales, who steps up and takes on a membership role, you are in a unique position to promote ASPE and your company. Your leadership role is a valuable way to place yourself in front of prospective clients and members. Talk to your Chapter Board of Directors and see what you can do to promote yourself and ASPE.

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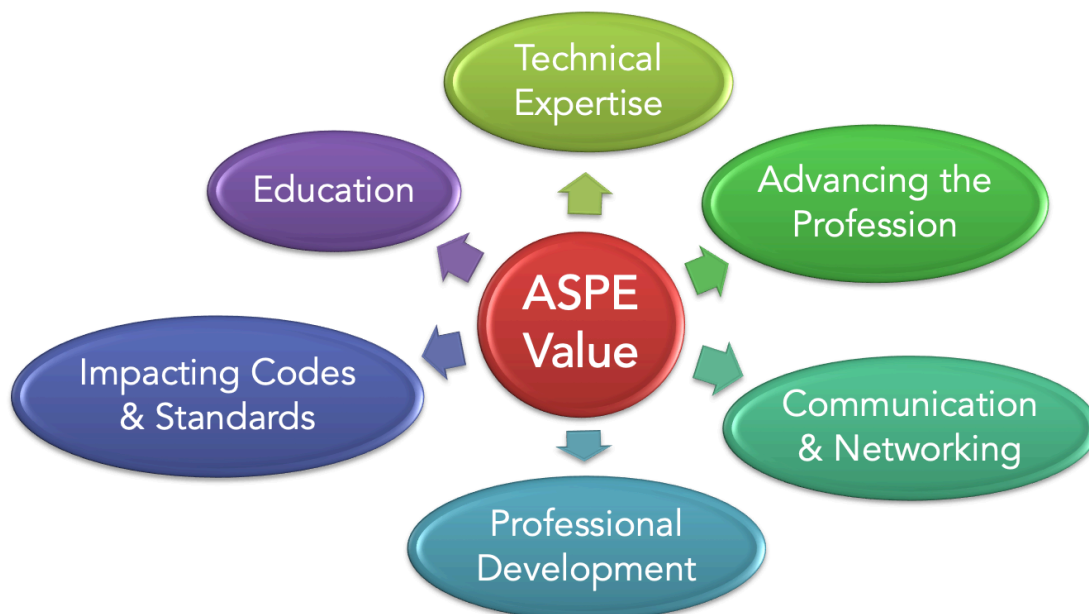


Connect with us  
on Social Media!



## ASPE Purpose

The core purpose of the American Society of Plumbing Engineers is to continually enhance and promote the profession of plumbing engineering design while assisting in improving the health, welfare, and safety of the public on a global scale.





## Join Us in Orlando!

The 2025 ASPE Tech Symposium is a 2.5-day conference being held at the Rosen Centre Hotel in Orlando, Florida. This is a premier opportunity for plumbing engineers and designers at all career levels to engage in productive technical exchanges and networking.

At the ASPE Tech Symposium, you can choose from a variety of professional development sessions in several tracks to customize your learning experience. The sessions are designed to teach you how to integrate the most current design techniques into your projects, with hands-on calculation and application examples.

To further immerse you in the latest engineering innovations, a Product Show will be running from Thursday afternoon to Friday morning. The industry's top manufacturers will be showcasing their newest products and teaching you how to apply them in your plumbing system designs.

## Who is this event for?

Anyone working in various professions related to plumbing system design:

- Plumbing Engineers/Designers
- Mechanical Engineers/Designers
- Sales Engineer
- Estimators
- Sales Reps.
- Applications Engineer
- Technicians
- Master Plumbers
- Specifiers
- Consultants

## Technical Sessions

**Friday, September 26** // 1:30 p.m. – 4:45 p.m.

**Saturday, September 27** // 9:00 a.m. – 5:15 p.m.

**Sunday, September 28** // 8:45 a.m. – noon

ASPE's Tech Symposium features professional development sessions designed to help plumbing industry professionals at all career levels learn new skills or refresh their design repertoire. Each session is taught by an expert in the field and offers 0.15 CEUs that can be used for license and certification continuing education requirements.

## 2-Day Product Show

**Thursday, September 25** // 4:00 p.m. – 8:00 p.m.

**Friday, September 26** // 9:45 a.m. – 1:15 p.m.

The 2025 ASPE Tech Symposium Product Show is a unique chance for you to have one-on-one face time with the manufacturers who make the products you specify. It's an excellent chance to get your product questions answered by the experts and possibly even influence future product designs. Join your peers, grab a drink, and enjoy a bite to eat at this engaging two-day event.

All 2025 ASPE Tech Symposium sponsors will be exhibiting at the Product Show.

[See Our Sponsor Exhibitors](#)

# Learn why grandfathering should be avoided when working on existing building renovation projects.

By J. Francisco DeHoyos, CPD, FASPE

The term “grandfathering” is a very loosely and wrongly used concept that can get us in trouble as engineers.

Grandfathering is a provision in which an old rule continues to apply to some existing situations while a new rule will apply to all future cases, and it is commonly used as an excuse to not comply with the current building codes.

For instance, you may have a client who asks the design team to leave an existing system as-is instead of making the required upgrades to meet the code as a way to save on budget, time, and space. They might claim, “We did that on another building, and it is ok.”

This old concept started in the U.S. South after the Civil War, where a grandfather clause allowed the status of pre-existing edifications to remain unchanged, despite a change in the codes or existing local regulations. The concept was a derivative of a manipulation of the law to exclude African Americans from voting.



According to *Merriam-Webster Dictionary*,

*Grandfathering is a verb that means to allow something to continue under a grandfather clause. A grandfather clause is a legal provision that exempts something or someone from a rule or condition based on previous circumstances. Grandfathering is often used in business to describe when a company allows long-time customers to keep paying the same price for a product or service, even when the price increases for new customers. Grandfathering can also refer to allowing people to continue to be assessed under the “old rules” instead of the “new rules.” This prevents people from being disadvantaged by the new rules.*

The origin of this expression goes back to 1870s, according to Katie Carman, freelance writer for howstuffworks.com:

*The U.S. Constitution's 15th Amendment was ratified in 1870, banning the infringement on a citizen's right to vote on account of race, color, or previous condition of servitude. Some southern states did not readily accept the ruling. Instead, they carefully crafted amendments on the state level that circumvented the federal decree to try to keep African Americans from accessing polling stations. Since the basis of race could no longer be used, the state amendments imposed poll taxes as well as literacy tests. These limits were powerful; close to 30 percent of all voting-age males were illiterate, a majority of whom were poor Black men. But those taxes and tests would also affect poor, illiterate white voters. Thus, a grandfather clause was added to allow an illiterate man to vote if he or his lineal ancestor (i.e., grandfather) had been a registered voter before 1867—three years before the passage of the 15th Amendment.*

With time, grandfathering rights were adopted by real estate and healthcare to preserve the status of existing rights allowed by prior rulings. However, this historical context is irrelevant to modern building code enforcement, and it was never related to the construction trades.

Building codes are developed by national organizations that are comprised of experienced professionals in the building and government sectors. These codes are regularly updated (typically every three years) to reflect advancements in building materials, improve safety, and incorporate lessons learned from real-world building performance.

These changes are driven by the need to create safer and more efficient buildings.

Many older buildings, even those decades old, often fall short of current Americans with Disabilities Act (ADA) accessibility standards, energy code provisions, or minimum plumbing fixture requirements based on occupancy. Therefore, code compliance is our goal as engineers, regardless of a building's age, historical significance, or use (government, public, or private).

The reality is that there is no “grandfathering law” in the field of engineering, and there is no building code providing specific guidelines for it. When deviations from current codes are genuinely necessary (e.g., for historical preservation), a variance, or code exception, must be requested from the local authority having jurisdiction (AHJ). This is not a guaranteed process. Each request is reviewed individually, and even if a similar exception was granted elsewhere, your request might be denied. It’s essential to apply for variances early in the design process and have alternative solutions prepared in case of a variance request denial.

It’s crucial to understand that “grandfathering” as a blanket exemption from compliance with current code requirements simply does not exist in the engineering practice.

The best approach is always to design in accordance with the latest codes. This allows the construction manager or administrator to handle any variance requests. Importantly, the “Applicability” sections of plumbing codes, like the IPC (International Plumbing Code) and UPC (Uniform Plumbing Code), explicitly state that existing plumbing systems that pose a hazard to life, health, or property must be brought up to current code. This means that even if a building’s plumbing systems aren’t being directly modified, upgrades may be required if existing conditions present a health or safety risk.

Examples of situations requiring upgrades under “Applicability” include:

- Lead or high-lead content in water service pipes, valves, or fittings
- Lack of a domestic water meter
- Inadequate storm drainage systems (based on current rainfall data)
- Stormwater runoff onto neighboring properties
- Absence of an anti-explosion device (e.g., thermal expansion tank) on a water heater

These are just a few examples, based on IPC Section 102.2 and UPC Section 101.11. Other codes that will affect plumbing systems are promulgated by the U.S. Department of Energy, the National Fire Protection Association (NFPA), OSHA, and the local AHJ.

In conclusion, while clients may invoke the term “grandfathering,” it holds no legal weight in engineering or building code enforcement. In a court of law, grandfathering primarily applies to zoning and real estate, concepts with which lawyers are very familiar.

Engineering decisions must prioritize safety and code compliance. Attempting to circumvent these requirements by relying on the myth of “grandfathering” can have serious legal and safety consequences. Always design to the current code and pursue formal variance procedures when necessary.

## References

UPC (Uniform Plumbing Code)

IPC (International Plumbing Code)

Merriam-Webster Dictionary

howstuffworks.com

## About the Author



J. Francisco DeHoyos, CPD, FASPE, is the Plumbing Technical Manager for Henderson Engineers in Houston. A member of ASPE's Houston Chapter, he serves as the Education Chair, and he also serves on ASPE's Education Committee, Membership Committee, Long-Range Planning Committee, and Fellows Committee. Francisco is Certified in Plumbing Design and was inducted into ASPE's College of Fellows in 2020.

*The opinions expressed in this article are those of the author and not the American Society of Plumbing Engineers.*



# Have you checked out ASPE Connect yet?

*It's one of ASPE's greatest member benefits!*

Our online community, ASPE Connect, is an invaluable resource to help you get expert advice and new insights on your design, career advancement, and product questions. And it's available only to ASPE members!

*It's like having a brainstorming session with the world plumbing community.*

- Paula Leatherman, CPD, FASPE

## How to Get Started

### 1. Visit

[connect.aspe.org](http://connect.aspe.org)



2. **Sign in.** Your ASPE Connect login information is the same as your login for ASPE.org and ASPE Education. Once you are signed into one site, you are signed into all of them.



3. **Build your profile.** Help your fellow ASPE members get to know you by including a headshot, bio, education, and career history.



4. **Go to the Open Forum** and browse the discussions to add your thoughts to an ongoing conversation or start a new discussion.

**Get Connected Today!** [connect.aspe.org](http://connect.aspe.org)

# ASPE Pipeline

News for the Plumbing System Design Industry



## Do You Need ASSE 6060 Training?

Register now for our next in-person MedGas Workshop on March 20-23 at ASPE's headquarters in Rosemont, Illinois. Get personal interaction with our expert instructor and benefit from hands-on activities during this 32-hour workshop, where you will gain the training needed to sit for the ASSE 6060 exam and earn 1.2 ASPE CEUs. You can [register at ASPE Education](#).



## Become a CPD This Year

The 2025 Certified in Plumbing Design (CPD) exam will be held via remote proctor from April 7-18, and registration is now open for eligible candidates on [ASPE Education](#).



## You Still Have Time to Sign Up

The deadline to register for the CPD Review Class is next Tuesday. Get help studying for the exam during this six-part online course being held in March. [Register now >>](#)

# 2025 Chapter sponsors



## DIAMOND



## GOLD



# Austin, Texas, Adopts 2024 Uniform Codes

The Austin, Texas, city council has formally adopted the 2024 editions of the Uniform Plumbing Code (UPC®) and Uniform Mechanical Code (UMC®) as the plumbing and mechanical codes of practice protecting the health and safety of the city's nearly 1 million residents. The Texas state capital and 11th most populous city in the United States has utilized the Uniform Codes since 1974.

“We are thrilled to see the adoption of updated plumbing and mechanical codes because they will significantly enhance the safety and quality of our industry,” said Robert “Chap” Thornton, Business Manager of UA Local 286. “Our training programs are designed to prepare plumbers for these evolving standards, and we are proud to contribute to an industry that prioritizes high-quality workmanship and safety.”

“The adoption of the updated plumbing and mechanical codes are a significant advancement for our community, bringing improved efficiency to residential and commercial properties alike,” said Josh Hollub, board member of PHCC. “These changes align with our commitment to providing top-notch training and ensuring that all plumbers, regardless of their affiliation, are equipped with the latest knowledge and skills.”

IAPMO®, publisher of the UPC since 1928 and UMC since 1967, appreciates the support of the Austin city council, UA Local 286, and PHCC in ensuring the completion of these adoptions.

“These updated codes bring enhanced safety and resiliency to residents, reflecting the city council's commitment to quality,” said John Mata, IAPMO Senior Director of Field Services. “We look forward to supporting the city's transition to help ensure that the community enjoys the advantages of these enhanced standards.”

The 2024 UPC and UMC introduce several key updates aimed at enhancing safety, efficiency, and sustainability in plumbing and mechanical systems. Notably, the 2024 UPC includes revised standards for water conservation, such as stricter requirements for fixtures and fittings to reduce water consumption and improve overall efficiency. The code also emphasizes the use of advanced materials and technologies, promoting the adoption of innovative piping systems that offer greater durability and resistance to environmental factors.

The 2024 UMC introduces enhanced energy-efficiency standards for heating, ventilation, and air conditioning (HVAC) systems, including more stringent requirements for equipment performance and insulation to reduce energy consumption. It also incorporates updated guidelines for indoor air quality, with new provisions for ventilation and filtration to provide healthier indoor environments. The code addresses emerging technologies, such as advanced controls and smart systems, to optimize system performance and integration.

The UPC and UMC are developed using IAPMO's consensus development procedures accredited by the American National Standards Institute (ANSI). This process brings together volunteers representing a variety of viewpoints and interests to achieve consensus on construction practices. Developed and subsequently republished at the conclusion of each three-year code cycle, the Uniform Codes are designed to provide consumers with safely functioning systems while, at the same time, allowing latitude for innovation and new technologies.

# 2025 Chapter sponsors

## SILVER



**ASC**<sup>TM</sup>  
Engineered Solutions

## BRONZE



# What is ASPE?

The **AMERICAN SOCIETY OF PLUMBING ENGINEERS** (ASPE) is the only organization dedicated to promoting the plumbing engineering profession to both enhance career opportunities for our members and ensure the health, safety, and well-being of the public through the design of safe plumbing, drinking water, and sanitation systems.

## WHAT WE DO



**Provide** continuing professional education programs



**Publish** design manuals, tools, and standards



**Host** conferences, tradeshows, and networking events



**Certify** professionals skilled in plumbing system design



**Promote** safe and sustainable water and sanitation systems



**Represent** the industry in local and national government



**Help** develop safe plumbing and building codes and standards



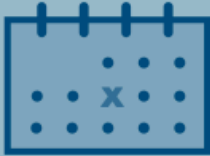
## OUR MEMBERS

Our members are individuals working in various professions related to plumbing system design.

## ← What Is Plumbing Engineering?

Plumbing engineering is a vital part of the design/build construction process. Plumbing engineers use the principles of fluid flow with engineering calculations to design plumbing systems that transport fluids such as water, wastewater, natural gas, and rainwater throughout buildings.

## BY THE NUMBERS



Founded in

**1964**



Number of Members Worldwide

**6,500+**



**13**

Elected Board Positions



**66**

Local Chapters

**20+**

Technical Publications



**2**

Special-Interest Groups for Young Professionals and Women

**3**

Professional Certification Programs



**10**

Staff Members



## INDUSTRY PARTNERS

To achieve our goals, ASPE collaborates with the following organizations:

American Backflow Prevention Association

ARCSA

ASHRAE

ASSE International

Canadian Institute of Plumbing & Heating

CSA Group

IAPMO

International Code Council

National Institute of Building Sciences

NSF International

Plumbing Efficiency Research Coalition

Plumbing Industry Leadership Coalition

Plumbing Manufacturers International

United Association

Water Quality Association

World Plumbing Council

## HOW YOU CAN GET INVOLVED



Our Chapters host monthly meetings, golf outings, tradeshow, seminars, picnics, baseball outings, and more fun networking events to help local professionals connect.

Contact a Chapter

Join Today!

Connect with Us



# WHAT IS A Plumbing Engineer?

**PLUMBING ENGINEERS** are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

## WHAT DO PLUMBING ENGINEERS DO?

**PLUMBING ENGINEERS** use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. Those systems include:

$$S = \frac{\text{rpm}\sqrt{Q}}{\text{NPSH}^{0.75}}$$
$$x 2.31 - h_f L_h + \frac{(P_B - V_p)}{\text{Specific gravity}}$$



Domestic water systems



Wastewater



Fuel gas



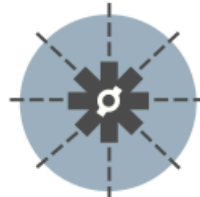
Medical gas & vacuum



Compressed air



High-purity water



Fire suppression



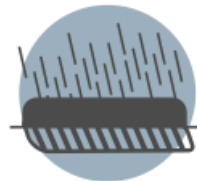
Chemical waste



Rain & stormwater systems



Venting



Site & building drainage



Water efficiency

## WHAT DOES THE PROFESSION ENTAIL?

*"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."*



**PLUMBING ENGINEERS** are highly skilled individuals involved in many different aspects of the design/build process, including:

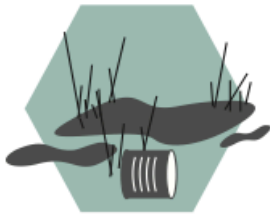
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

## PROTECTING PEOPLE & THE ENVIRONMENT

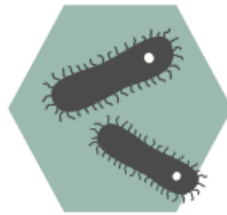
**PLUMBING ENGINEERS** help eliminate many of the threats that sicken people and harm the environment on a global scale by:



**Delivering** safe drinking water & sanitation systems



**Combating** groundwater contamination & depletion

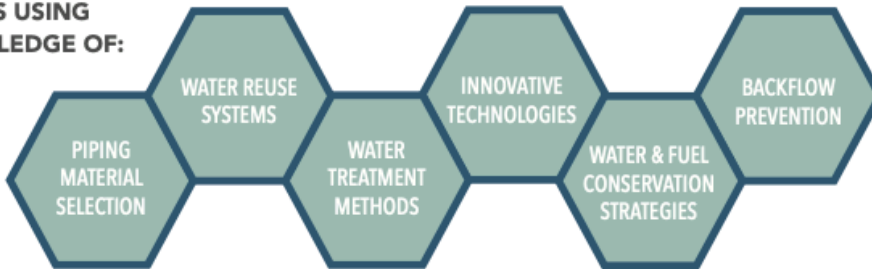


**Preventing** waterborne diseases



*“Through their designs, plumbing engineers affect every life.”*

**THEY DO THIS USING THEIR KNOWLEDGE OF:**



## HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

[aspe.org](http://aspe.org)



Connect with Us





HAPPY

Birthday

May

David Cropper  
William Chalmers P.E.,CPD  
Mike Schuller  
Conelle Gull P.E.,CPD,GPD  
Jeff Miller  
Jeffrey Graham  
Alejandro Garcia  
Jeff Dierschke  
Jason Criss  
Scott Pantermuehl  
Chris Phillips  
Jonathan Farr  
Krintina McCreary

Laura Hernandez CPD  
Aruturo Cantu  
Jaemin Huh P.E.,CPD  
Sundous Sunny "Shaikh"  
Braden Ruby  
Yasmin Yusri  
Russell Johnson  
Mohammad Zaidi  
Alexa Rodriguez Perez EIT  
Fernando Garcia

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- Field convertible by a qualified installer using a conversion kit
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Represented by:



Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company. ©2025, Bradford White Corporation. All rights reserved.

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#### BENEFITS

- Provides bathroom flexibility
- Can serve single or multiple lavatories
- Available with prefabricated Disconnect Switch
- Matches bathroom walls for a seamless look
- Provides vandal resistance for the heater

#### CODE COMPLIANCE

- Prevents legionella by instantly heating the water
- 99% EF with zero gas emissions
- Provides ADA compliance for lavatories
- Available with integral ASSE 1070 (CM Model)
- Meets energy code by supplying hot water in under 6 seconds

## The Comprehensive Approach to Fire Protection.

The most important component to fire protection is security. This security is gained through the knowledge that each and every step of any fire protection project is always handled with the utmost care and given the utmost attention.

This security comes with the combined experience of 100 years of specialty fire detection & suppression offered to all the clients of Detection & Suppression International, Ltd.

DESIGN \* DEVELOPMENT \* MARKETING \* INSTALLATION \* SERVICE  
FEASIBILITY STUDIES \* CONCEPTUAL DESIGN \* SPECIFICATION GUIDES  
PRICING \* FORMAL DESIGN AND SUBMITTALS \* PROCUREMENT  
TESTING \* SYSTEM CERTIFICATION \* EMPLOYEE TRAINING

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## FOR ASPE:

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Submit your resume TODAY to [careers@infinitymep.com](mailto:careers@infinitymep.com)

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# Career Opportunities

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Wylie Engineering is hiring! We are looking for Plumbing Designers with experience in building construction plumbing and fire protection systems design. Come join our dynamic team in our Houston office! Wylie Engineering has a strong history of serving the architectural and construction community in Houston, Austin, and across Texas – currently celebrating our 35th anniversary! Our portfolio includes diverse and interesting projects ranging from healthcare, lab, high-rise residential, commercial office, higher education and many more.

Primary areas of responsibility include providing design concepts for plumbing and fire protection systems, coordinating design with project management and other disciplines, and production of system designs using AutoCAD & Revit.

Certified Plumbing Designer (CPD) is preferred, but not required.

Please submit resumes to [HR@wylieeng.com](mailto:HR@wylieeng.com).

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# Career Opportunities

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LEAF Engineers is a frontrunner for success in providing comprehensive mechanical, electrical, and plumbing, technology, and fire protection engineering design services. Our engineers are focused on system performance, reliability, flexibility, and ease of maintenance. Our work typically consists of large commercial projects, primarily award-winning K-12 schools. With an emphasis on teamwork, we reach beyond the traditional MEP approach to solve problems and integrate a more holistic style to our processes. Within LEAF, you will find a fast-paced environment with many opportunities to learn and accelerate your career.

LEAF Engineers is searching for a candidate to fill the Plumbing Engineer/Designer position. You will aid the engineering team in developing plumbing calculations, and plumbing system designs of gas, water, and waste systems.

#### Your Impact:

- Produce reports/drawings using calculations and specifications for various buildings
- Utilize client requirements and specifications to generate consistent drawings to meet their needs
- Assist senior engineering staff support in equipment selection through project calculations and equipment research
- Assist in the evaluation and equipment selection for the design of plumbing system components and apply standard engineering procedures
- Aid in areas that require consulting on feasibility reports and sustainability analyses
- Work with team to design plumbing systems like sanitary, water, gas, storm, medical gas, fire protection

#### Here's What You'll Need:

- Associate degree in Mechanical Engineering or related engineering technology degree preferred
- 3-5 years of work experience with an engineering consultant
- Proficient in Revit 2022 and AutoCAD 2021

#### Here's How You'll Stand Out:

- Licensed Professional Engineer
- CPD – Certified Plumbing Designer
- Ability to self-assess and command a high level of accuracy
- Strong oral, written, and communication skills
- Excellent time-management and organizational skills

Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions. LEAF is an equal employment opportunity employer. It is our policy to provide equal employment opportunity in all phases of employment in compliance with applicable federal and state laws, rules, and regulations.

#OS #FT #AS

# ASPE

# Mentoring Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

## **Who Is a Mentor?**

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

### *Benefits to the mentor:*

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

## **Who Is a Mentee?**

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

### *Benefits to the mentee:*

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

[connect.aspe.org](http://connect.aspe.org)



# GO TEAM

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# Committee Members

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## **Dave Cropper**

Chapter Affiliate Liaison, Construction Industry Council

## **Francisco DeHoyos, CDP, FASPE**

Society legislation committee co-chair, Society education committee member, Society long-range committee member Region 5 legislation representative, Houston Chapter Education Chair, Society College of Fellows Committee

## **Donald Taylor, CPD, GPD, FASPE, ASSE 6060**

Board of Governors, Society Education Committee, Society College of Fellows Committee

## **Zed Hernandez**

Webmaster, Newsletter Editor/ Social Media Director

## **Greg Salter / James McStravock**

Product Show Chair/ Co-chair

## **Curtis Dady**

Region 5 Affiliate Liaison

## **Chris Ennis, CET**

Chapter Social Director

# HOW TO BECOME AN ASPE VOLUNTEER

*Recognize Leadership  
and Professional  
Growth Opportunities  
Through Participation  
in ASPE*



# Participation in ASPE

*As the voice of the plumbing engineering industry, ASPE is sought out to provide the latest technical and legislative information as well as education and career growth opportunities for plumbing system design professionals. ASPE is dedicated to the advancement of the science of plumbing engineering, to the professional growth and advancement of our members, and to the health, welfare, and safety of the public, but we need the experts—our members—to help fulfill those goals. Your practical experience and knowledge will help ASPE provide top-notch service for our ASPE family members and other industry professionals worldwide.*

*Becoming involved is not a one-way street. Volunteering provides you with resources to keep up with the technical aspects of our industry. You will make new contacts and increase your voice. You also will have direct influence on plumbing engineering and become a recognized leader in the industry.*

*Here are some ways you can get involved to help foster technical innovation and professional advancement.*

## Become a Mentor

ASPE's new Mentoring Program is designed to connect ASPE members who have a particular skill set (mentors) with individuals (mentees) who are searching to acquire the same skills to make progress toward their personal and professional goals. Mentors gain satisfaction and personal fulfillment while helping others discover new talents and grow in the industry. To learn more, go to <https://connect.aspe.org/aspe-mentor-match/mentoring>.

## Run for National Office

Every two years, Chapter delegates vote on the 12 national officer positions. Serving on the ASPE Board of Directors is the highest level of volunteerism and marks individuals as achieving the pinnacle of leadership within the Society. To learn more about becoming a candidate, review the Guide to the Board of Directors Nomination Process on the members-only page: <https://www.aspe.org/membership-global-community/membership/members-only/>.



## Join Your Chapter Board of Directors or a Committee

With more than 60 ASPE Chapters worldwide, volunteering at the Chapter level is one of the easiest ways to become involved with ASPE. Volunteering at the Chapter level helps you develop a better understanding of how the Society functions and how to receive the most benefit from your membership, while also contributing to the betterment of ASPE.

ASPE's Chapters are run by dedicated individuals who provide high-quality technical and networking opportunities for local industry members. Many levels of participation are available: positions range from being the newsletter editor or golf outing chair to vice president, technical and president. By becoming a Chapter leader, you will increase your presence in your local area while helping others grow and succeed.

To learn about the roles of Chapter officers, go to <https://education.aspe.org/products/chapter-officer-training-video>.

If you aren't ready to join the Chapter Board of Directors, volunteering for a Chapter committee is the perfect way to get your feet wet. Contact information for your local Chapter can be found at <https://www.aspe.org/membership-global-community/chapters/>.



## Share Your Expertise

Volunteering doesn't necessarily mean a long commitment. Several opportunities are available to share your knowledge and skills on a short-term basis.

- You can review and revise a chapter in one of the four Plumbing Engineering Design Handbooks, which are updated annually. Contact [gpienta@aspe.org](mailto:gpienta@aspe.org).
- You can present a one-hour webinar on a technical topic of interest to plumbing engineers. Contact [education@aspe.org](mailto:education@aspe.org).
- You can write an article for ASPE's members-only publication, ASPE Journal, or Plumbing Engineer magazine. Contact [gpienta@aspe.org](mailto:gpienta@aspe.org).
- You can present a technical session at either the Technical Symposium or the Convention. Sessions range from 75 minutes to three hours. Contact [education@aspe.org](mailto:education@aspe.org).

## Serve on a National Committee

ASPE's Committees provide the backbone to the Society's operations. Committees are responsible for providing input on policies and procedures regarding everything from ASPE's technical publications and educational programs to the career growth of special-interest groups. Membership in the following Committees is available:

- Membership Committee
- Technical & Research Committee
- Education Committee
- Legislative Committee
- Long-Range Planning Committee
- Nominating Committee
- Bylaws Committee
- Finance Committee
- Credentialing Committee
- Main Design Standards Committee
- ASPE Young Professionals
- Women of ASPE
- Convention and Exposition Committee
- Technical Symposium Committee

To apply for a national Committee, just fill out the application found here: <https://www.aspe.org/membership-global-community/committees/>.



*ASPE's Board of Directors and staff appreciate you volunteering and providing your knowledge and experience for the betterment of the Society, the advancement of plumbing engineering, and the protection of the public's health and safety. Thank you for your support.*

# Houston Amendments to the 2021 Uniform Plumbing Code



Adopted by Ord. No. 2023-907<sup>1</sup>

Passed October 25, 2023<sup>2</sup>

Effective January 1, 2024<sup>3</sup>



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<sup>1</sup>. The City Secretary shall insert the number of the adopting ordinance.

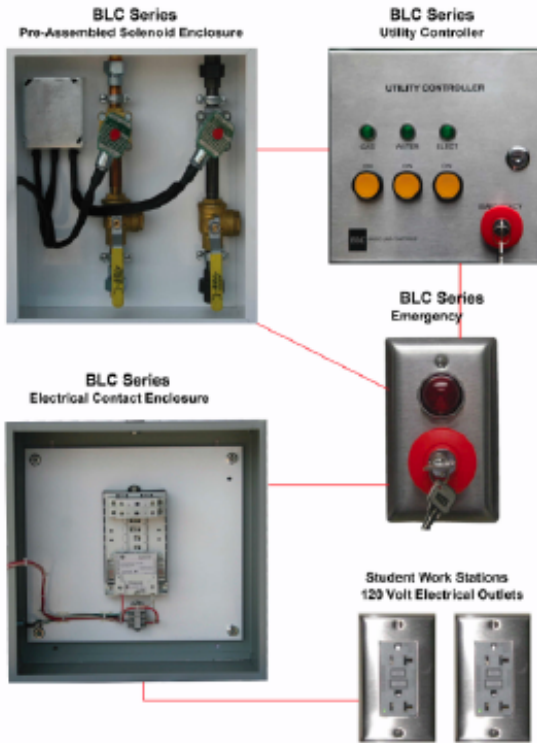
<sup>2</sup>. The City Secretary shall insert the date passage and approval of the adopting ordinance.

<sup>3</sup>. The City Secretary shall insert the effective date of the adopting ordinance.

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# HOUSTON CONSTRUCTION CODE MODERNIZATION

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**SIGNIFICANT CODE CHANGES &  
HIGHLIGHTS OF THE 2015 TO 2018 AND  
2018 TO 2021 UNIFORM PLUMBING  
CODE (UPC)**



## Download presentation



The following are the current construction codes enforced by the City of Houston.

Code	Publisher	Effective Date
2021 International Residential Code (with Houston Amendments)	ICC	January 1, 2024
2021 International Building Code (with Houston Amendments)	ICC	January 1, 2024
2022 Minimum Design Loads & Associated Criteria for Buildings and Other Structures (ASCE-7)	ASCE/SEI	January 1, 2024
2021 International Fire Code (with Houston Amendments)	ICC	January 1, 2024
2021 International Existing Building Code (with Houston Amendments)	ICC	January 1, 2024
2021 Uniform Mechanical Code (with Houston Amendments)	IAPMO	January 1, 2024
2021 Uniform Plumbing Code (with Houston Amendments)	IAPMO	January 1, 2024
2021 Swimming Pool and Spa Code (with Houston Amendments)	ICC	January 1, 2024
2023 National Electrical Code (State Mandated) ♦ Administrative Code Provisions (Effective January 1, 2024)	NFPA	September 1, 2023
Sign Code (Chapter 46 of the Houston Building Code)	COH	July 29, 2020
2021 International Energy Conservation Code (with Houston Amendments) - <i>For One and Two-Family Dwellings and Multi-Family 3 stories or less.</i>	ICC	January 1, 2024
2021 International Energy Conservation Code (with Houston Amendments) - <i>For Commercial Structures, including Residential Structures more than 3 stories</i>	ICC	January 1, 2024
ASHRAE 90.1-2019 (with Houston Amendments) – <i>For Commercial Structures, including Residential Structures more than 3 stories)</i>	ASHRAE	January 1, 2024
2021 Code Words - various sections interpreted and administrative policies	COH	N/A

- The enforcement of Chapter 11 of the International Residential Code became mandatory by state law effective September 1, 2016.
- The enforcement of the IECC-Commercial Provisions became mandatory by state law effective November 1, 2016.

**ICC** International Code Council  
500 New Jersey Avenue, NW  
6th Floor, Washington, DC 20001  
(888) 422-7233  
<http://www.iccsafe.org>

**IAPMO** International Association of  
Plumbing and Mechanical Officials  
4755 E. Philadelphia St  
Ontario, CA 91761  
(909) 472-4100  
<http://www.iapmo.org>

**NFPA** National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02269  
1 (800) 344-3555  
<http://www.nfpa.org/>

### ACCESSIBILITY

For regulations pertaining to Accessibility, please contact:

Texas Department of Licensing & Regulation  
Compliance – Architectural Barriers  
PO Box 12157  
Austin, TX 78711

877-278-0999 Toll-Free Number  
512-463-6599 Voice Telephone  
512-539-5690 Fax Number

For Technical questions Contact:  
E-mail: [Techinfo@tdlr.texas.gov](mailto:Techinfo@tdlr.texas.gov)  
Phone: 512-569-5669  
<https://www.tdlr.texas.gov/ab/abtas.htm>

The Houston Amendments to the Codes, the Sign Code, and 2021 Code Word can be downloaded at:  
<https://www.houstonpermittingcenter.org/help/codes>

## **MECHANICAL, ELECTRICAL, AND PLUMBING PLAN REVIEW**

### PLUMBING

SPILMAN, STEVE Plan Analyst Supervisor 832-394-9174

LEWIS, BOBBY Sr. Plan Analyst 832-394-9175

LOGAN, RUSSELL Sr. Plan Analyst 832-394-9176

PARROTT, DANNY Sr. Plan Analyst 832-394-9185

SPELL, CASSIDY Sr. Plan Analyst 832-394-9524

WARREN, RICHARD Sr. Plan Analyst 832-394-9182