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HOUSTON CHAPTER

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# ASPE Newsletter

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Chartered July 10, 1968

April 2025

Houston, Texas

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## Houston ASPE Board of Directors



Jaime Cruz  
Chapter President



Billy Turcios, CPD.  
VP Technical



Curtis Dady  
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Hannah Harris, P.E., CPD  
Corresponding Secretary

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# ASPE PRODUCT SHOW 2025

THIS WEDNESDAY !



Wednesday  
April 2nd 4:30-8:30PM  
Sam Houston Race Park

More Information :  
[www.aspehouston.com](http://www.aspehouston.com)





LOTS OF MILWAUKEE TOOLS  
INSPIRON 15 LAPTOP  
36" BLACKSTONE GRIDDLE  
AIR POD PRO  
SAMSUNG 70" TV  
FURMAN GENERATOR  
SONY PLAYSTATION 5  
GOLF CLUBS



**SAMSUNG DU6900**

# DOOR PRIZES!

JOIN US TO WIN





# 2025 Houston ASPE Product Show Registration

**REGISTER NOW**



Name \*

First Name

Last Name

Company Name \*

Email \*

example@example.com

Company Type \*

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# President

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ASPE Houston Newsletter

April 2025

Mark your calendars for April 2<sup>nd</sup>, the ASPE Houston Product Show is back and better than ever! By now, you've probably seen the flyers and email blasts (and hopefully registered already — I know I have!). This is THE premier ASPE event in Texas, drawing attendees from chapters across the state. With the Rodeo just wrapped up, let's keep the momentum and energy going strong. As always, complimentary food and drinks will be available throughout the Product Show — just another reason to attend! Plus, all registered attendees are automatically entered into our door prize raffle, held at the end of the night. Hope to see you there.

Looking ahead in April, we will not have our scheduled meeting at Dukessa since the Product show will take its place. I wanted to jump ahead a bit into May. We have a scheduled Spring Social at Top Golf on May 1st at the Katy location, so please register. Free to members plus one industry guest! And most importantly officer elections will take place as well, so May is an important month to attend.

We're always looking for fresh ideas for future chapter events or meeting topics! If you have any suggestions, please don't hesitate to share them with one of our Board members. Your input is invaluable, and we want to encourage as much member participation as possible.

If you're interested in getting involved with any of the exciting events we have planned for this year, I'd love to hear from you. Feel free to reach out to me via email or give me a call. Let's make this a fantastic year together!

Thanks,  
Jaime Cruz  
President



The 2025 CPD Exam will be held via remote proctor from April 7–18, and registration is open at ASPE Education. The deadline to register is April 1. To determine if you are eligible to register to sit for the exam, submit the CPD Eligibility Form.

## The CPD Exam

**The exam is offered once a year, usually in April. To be eligible to take the CPD Examination, a candidate must possess:**

- Full ASPE membership or previously received approval to sit for the exam; or
- A minimum of four years of experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering; or
- 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.
- CPDT Certification counts towards 1 year of experience.

## Here's more about the CPD Examination:

- General exam FAQs
- Exam open book policy FAQs
- CPD Bulletin
- The exam is remote proctored.
- CPD Eligibility Form
- The exam is offered once a year, usually in April.

## The exam fees are:

- ASPE Members \$450
- Nonmembers \$675

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# VP Technical

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Dear ASPE Members,

We are thrilled to announce that the 2025 ASPE Houston Product Show and Technical Seminars is right around the corner! Mark your calendars for Wednesday, April 2nd, as we return to the Sam Houston Race Park—a proven venue that continues to provide a successful and engaging experience for all attendees.

This once-a-year premier event is your opportunity to explore the latest innovations in plumbing and fire protection, with numerous exhibitors showcasing cutting-edge products, technologies, and services. Whether you're an engineer, contractor, or industry professional, this is your chance to connect directly with manufacturers and reps, ask questions, and stay ahead of the curve.

To add to the excitement, we'll be giving away over \$6,000 in door prizes throughout the day—so don't miss your chance to win big! Pre-register today to secure your spot and skip the lines. A huge thank you to our Product Show Committee, led by the dedicated Chairman Greg Salter, and to our generous sponsors, whose continued support makes this event possible.

We are also proud to offer six (6) technical seminars, beginning at 8:00 AM, each providing valuable insight into key industry topics. Your registration includes breakfast, lunch, and a full day of professional development—an excellent opportunity to earn Continuing Education Units (CEUs) while networking with some of the most knowledgeable professionals in our field.

Seminar seating is limited, so early registration is strongly encouraged. Be sure to visit our ASPE Houston website and look at your email for updates, session details, and additional announcements.

If you're interested in presenting a topic or have a suggestion for a technical session, please reach out to me at [TheTurciosfam@gmail.com](mailto:TheTurciosfam@gmail.com) or call 832.229.7819.

We look forward to seeing you at the show—don't miss out on this incredible opportunity for education, networking, and innovation.

Disclaimer: ASPE Continuing Education Credits will be uploaded before the end of April at the discretion of the Vice President of Technical. Thank you for your understanding and continued support.

Warm regards,  
Billy Turcios  
VP of Tech, Houston ASPE Chapter

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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.

# TOP GOLF

**SPRING SWING**

**MAY 1ST, 2025 | 5:30 PM -8 PM**

**CASPE**  
American Society of  
Plumbing Engineers™

**H O U S T O N**



TopGolf

**REGISTER NOW**

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

 1030 Memorial Brook Blvd, Houston, TX 77084

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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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# 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



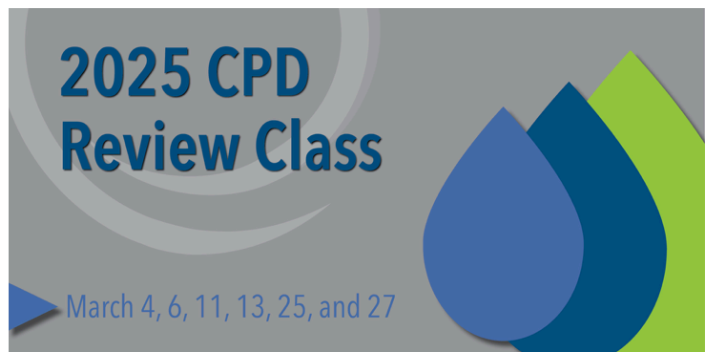
## Do You Need ASSE 6060 Training?

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



# 2025 Chapter sponsors

## SILVER



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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



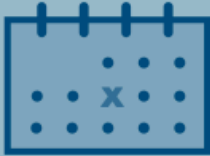
## OUR MEMBERS

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



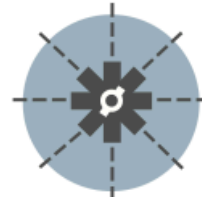
Medical gas & vacuum



Compressed air



High-purity water



Fire suppression



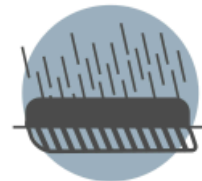
Chemical waste



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:

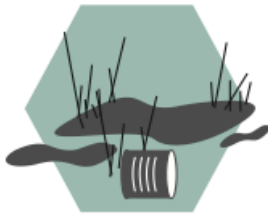
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

## PROTECTING PEOPLE & THE ENVIRONMENT

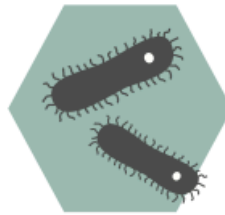
**PLUMBING ENGINEERS** help eliminate many of the threats that sicken people and harm the environment on a global scale by:



**Delivering** safe drinking water & sanitation systems



**Combating** groundwater contamination & depletion

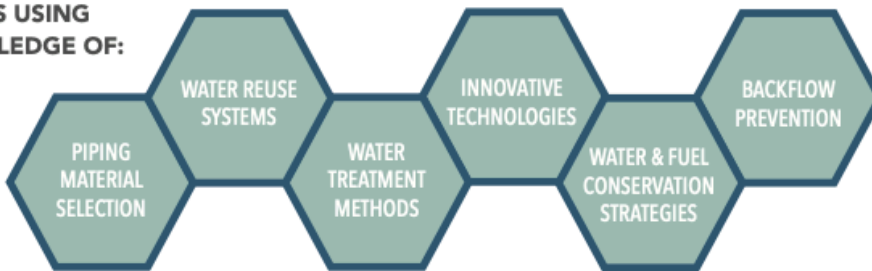


**Preventing** waterborne diseases



*“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*  
*April*

Mario Pernas  
Dong Pham  
Jacob Thomas  
Manish Nawal  
Liubov Ogurtsova  
Jarrett Hopper  
Greg Mercer P.E.  
Tim Luber  
John DuQue IV  
Samantha Kenon  
Dawson Schuller

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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.

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PRICING \* FORMAL DESIGN AND SUBMITTALS \* PROCUREMENT  
TESTING \* SYSTEM CERTIFICATION \* EMPLOYEE TRAINING

CHRISTOPHER B. ENNIS, CET  
ce@firedsi.com

P. MARK THOMASSON, CET  
mt@firedsi.com



**Detection & Suppression International, Ltd.**  
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P.O. Box 41302 • Houston, Texas 77041-1302  
Phone: 832-467-9090 • Fax 832-467-9091  
Visit us on the web at: [www.FireDSI.com](http://www.FireDSI.com)



## FOR ASPE:

### **Infinity MEP+S Consultants is Growing! And we Need YOU!**

We are always looking for top talent to join our team, and now more than ever.

Positions available across Texas in Austin, Dallas, Houston, and San Antonio.

#### **Opportunities Include:**

Plumbing Designers, Mechanical and Structural Engineers!

#### **Industries, Verticals, and Skills We're Looking for in Resumes:**

- Healthcare Projects
- Higher Education Projects
- Laboratory & Life Sciences Projects
- Med-Gas
- Revit

Have any of the above? Ready for a change? Ready to grow?

Then join the team at Infinity MEP+S and work with us as we continue bringing passion to engineering across all types of projects - including commercial, industrial, oil and gas, higher education, science and technology, healthcare, high-rise residential, mission critical, and more.

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

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- Excellent time-management and organizational skills

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# 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.

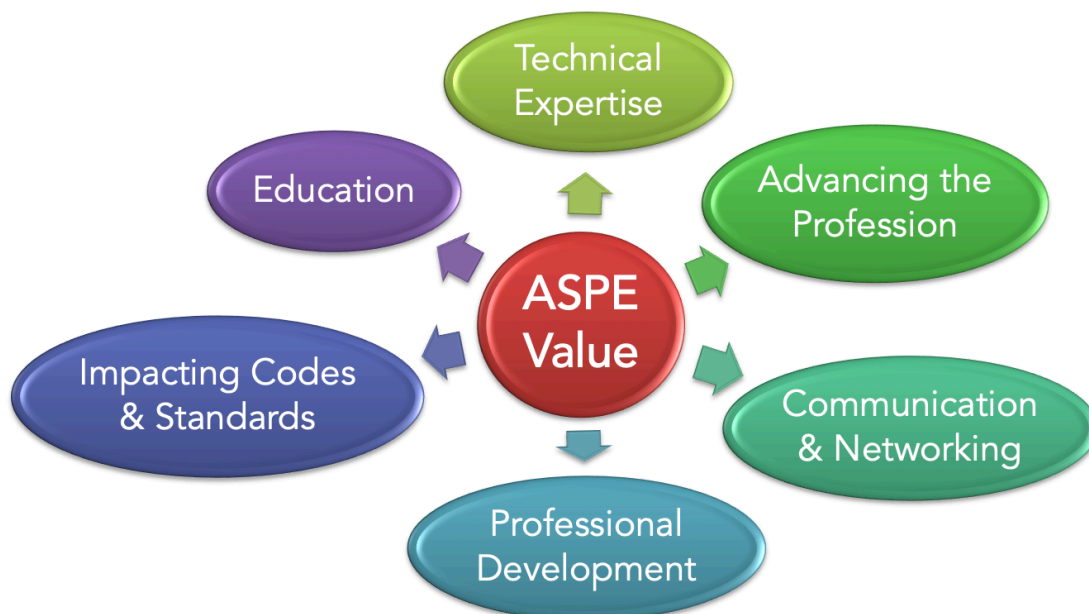


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## ASPE Purpose

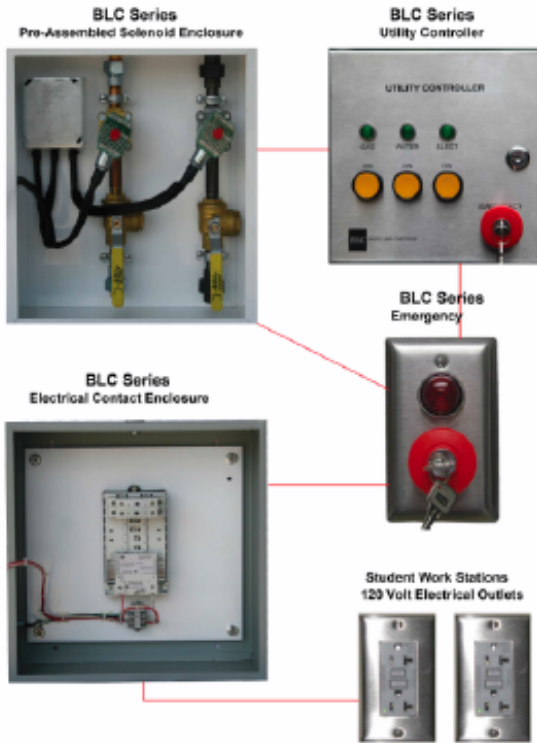
The core purpose of the American Society of Plumbing Engineers is to continually enhance and promote the profession of plumbing engineering design while assisting in improving the health, welfare, and safety of the public on a global scale.



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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:

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Compliance – Architectural Barriers  
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Austin, TX 78711

877-278-0999 Toll-Free Number  
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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