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HOUSTON CHAPTER

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# ASPE Newsletter

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Chartered July 10, 1968

August 2024

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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RSVP



VS.



2024

# Summer -Event-

**Saturday, August 10**

Doors Open: 5:30 pm | First Pitch: 7:05 pm  
Sugar Land Space Cowboys Stadium  
Regions Bank Club Suite

Tickets for ASPE member and immediate family are discounted/subsidized by the Chapter.

Member/+1/children 13–18.....\$20 ea  
Member's children 12 and under.....\$5 ea

**Tickets for non-immediate family:**

Adult children/nonmembers/grands/  
neices/nephews, etc.....\$55 ea  
Children 3 and under.....\$0 ea

All tickets include buffet w/ soft drinks.

Cash bar is available.

Each member will be given 2 drink tickets.

**Deadline to RSVP/pay: Friday, August 2**

RSVP: [C.Ennis@firedsi.com](mailto:C.Ennis@firedsi.com)

Provide total number for each pay category above.

JULY EVENT

# Summer Fling Event

Thank you Chris Ennis for putting on a great event !







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# President

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ASPE Houston Newsletter  
August 2024

Hello ASPE Houston,

Hello everyone! I want to welcome our ASPE Board members back for another round and of course all of our fellow members that make this chapter what it is. As I begin my final term as president, my goal is to make this year even better than the last. Last year we endured extreme summer heat and this year, Hurricane Beryl brought strong winds and heavy rain, causing significant damage to many. I hope everyone managed to stay safe and experienced minimal damage. Personally I faced seven days without power, the longest I've ever been without electricity. I hope everyone is making the best of these summer days before the kiddos go back to school or for some college.

Ok, now let's get into real news. We kick our year off with the summer outing on Saturday, August 10, 2024 at Constellation Field, Sugar Land Space Cowboys Vs. Chihuahuas. You will have access to the Regions Bank Club Suite, dinner buffet and soft drinks. Please sign up if you haven't already, you can reach Chris Ennis @ C.Ennis@firedsi.com to RSVP. In addition to this Chris is already planning our 2024 ASPE Christmas Party, so stay tuned for details. The 2024 ASPE Convention & Expo will be held in Columbus, Ohio on October 18th -October 23rd. For those interested in attending, all the details can be found at <https://expo.aspe.org/> . If anyone is interested in getting involved with any of the events that we have in store for this year, please don't hesitate to reach out and shoot me an email or give me a call. Thank You!

Stay safe and see you soon!

Thanks,  
Jaime Cruz  
President

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# VP Technical

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Dear ASPE Houston Chapter Members,

September 04, 2024,

I am honored to have been reelected as the Vice President of Technical for a second term. Thank you all for your continued support and trust.

I am excited to announce our annual social outing to watch the Space Cowboys in Sugar Land. This family-friendly event will take place on August 10th, and we invite you to bring your family and friends for a fun-filled day. A special thanks to Chris Ennis for organizing this wonderful event.

Additionally, our first meeting will be held on September 4th. We are thrilled to have Ken Rutherford from Amtrol presenting on "Hydronic & Thermal Expansion for Hot Water & HVAC Applications." As usual, the meeting will take place at Dukesa. We look forward to seeing you there.

If you are interested in presenting or have a technical topic you'd like to see covered, please feel free to contact me at [TheTurciosfam@gmail.com](mailto:TheTurciosfam@gmail.com) or 832.229.7819.

Thank you once again for your support, and I look forward to another great year together.

Warm regards,  
Billy Turcios  
Vice President of Technical  
ASPE Houston Chapter

# What Is a CEU?

A **Continuing Education Unit (CEU)**, also known as Continuing Education Credit (CEC), is a **vital measure in ongoing education programs**, helping professionals maintain their licenses, or, in ASPE's case, their credential (CPD or CPDT).

The primary purpose of the CEU is to **provide a permanent record of the educational accomplishments** of a plumbing engineer/designer who has completed a significant noncredit educational experience.

CEUs also give plumbing engineers/designers a **means to be recognized as experts in their fields**.

## Proving Your CEUs

In most cases, you must successfully pass a quiz to verify what you learned before CEUs are issued.

For the CEUs to be considered valid for ASPE's purposes, you must obtain a certificate that lists the name of the course and the number of continuing credit units issued.

## Acceptable CEUs

Chapter meetings  
Webinars  
Workshops  
ASPE Tech Symposium sessions  
ASPE Convention & Expo sessions/walking the floor

## Non-Acceptable CEUs

Factory tours  
Non-educational Chapter events

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

# VP Membership



**Welcome new members:** Aron Agapito (LEAF), Angel Bautista, PE (Kiewit), Catelyn Cantwell (Ferguson), Enzo Frosinini (Victaulic), Fernando Garcia (Telios), Marcus Molina (Telios), Kaley Rowland (NRG)

Chapter	Jul-23	Jul-24	% change
Chicago	274	298	9%
Dallas/Ft. Worth	255	259	2%
Houston	227	243	7%
Wisconsin	163	163	0%
Central Texas	138	149	8%
Minnesota	157	148	-6%
Kansas City	123	136	11%
St. Louis	120	126	5%
Omaha	75	73	-3%
Oklahoma	74	69	-7%
Arkansas	47	53	13%
Central Illinois	33	30	-9%
Lubbock High Plains	11	11	0%
<b>Region 5 Total:</b>	<b>1697</b>	<b>1758</b>	<b>4%</b>

**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.



# 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 Convention & **EXPO'24**

Columbus, OH  October 18-23



You're Invited to the Largest Event for  
Plumbing System Professionals

## What You'll Find:

- + New plumbing technologies from more than 250 global exhibitors
- + Practical solutions to your plumbing design challenges directly from product engineers
- + A show floor filled with industry experts providing hands-on technical solutions
- + New skills from professional development and technical education sessions

**250+** exhibitors    **4,000+** professionals    **25+** sessions

[expo.aspe.org](https://expo.aspe.org)

**REGISTER NOW!**



# DIAMOND



# GOLD



# SILVER



# BRONZE





We are pleased to announce that the following industry professionals successfully passed the 2024 Certified in Plumbing Design (CPD) exam and now are eligible to use the CPD designation after their names. The CPD program, which is the only international credential program in the plumbing engineering field, sets the standard for leadership within the industry and provides formal recognition of outstanding professionals with advanced skills in the design and specification of plumbing systems. To learn more, visit [aspe.org/education-credentialing/cpd](https://aspe.org/education-credentialing/cpd).

#### **Houston Chapter**

Zakry Steven Davenport, CPD  
Shyam Kumar, PE, CPD, LEEP AP BD+C  
Luis E. Hernandez Nava, PE, CPD

#### **Central Texas Chapter**

Ricardo Emilio Arana, CPD  
Daniel Mark Johnson, CPD  
Justin Lopes, CPD  
Mark Andrew Sislen, PE, CPD  
Jay Sukhadia, CPD

#### **Dallas/Ft. Worth Chapter**

Abdelrahman Salama Ibrahim Attia, CPD  
Christopher Warren Dike, CPD  
Alexey Pislegin, CPD  
Jorge Luis Rabago, CPD

# 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



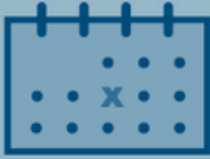
## OUR MEMBERS

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

National Institute of Building Sciences

ARCSA

NSF International

ASHRAE

Plumbing Efficiency Research Coalition

ASSE International

Plumbing Industry Leadership Coalition

Canadian Institute of Plumbing & Heating

Plumbing Manufacturers International

CSA Group

United Association

IAPMO

Water Quality Association

International Code Council

World Plumbing Council

## HOW YOU CAN GET INVOLVED

Contact a Chapter

Join Today!



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

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



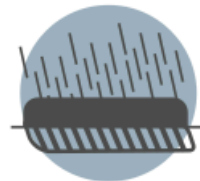
Chemical waste



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:

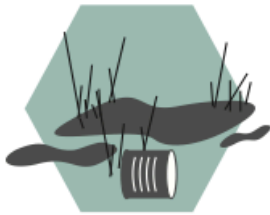
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

## PROTECTING PEOPLE & THE ENVIRONMENT

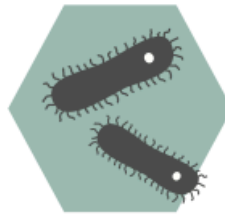
**PLUMBING ENGINEERS** help eliminate many of the threats that sicken people and harm the environment on a global scale by:



**Delivering** safe drinking water & sanitation systems



**Combating** groundwater contamination & depletion

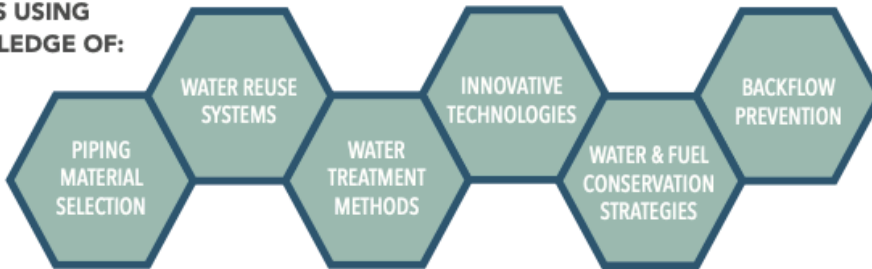


**Preventing** waterborne diseases



*“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





Clinton Odell Gowan Jr. passed away peacefully at his home in Conroe, Texas, on Friday, July 19, 2024, with family by his side. Born in Houston, TX. December 29, 1934, he was the eldest child of C.O. Gowan Sr and Anna Virginia (Cross) Gowan.

Clinton, 89, lived an extraordinary life filled with great memories of family, friends, professional achievements, and personal accomplishments. Known for his generosity, adventurous spirit, loyalty, determination, and absolute dedication to family; Clinton personified the word blessed.

As a teen, he began his lifelong professional career working as a sheet metal apprentice for W.R. Etie, which later became Gowan Sheet Metal after his father purchased the company. Clinton often shared many wonderful stories and life lessons learned from his childhood and was a proud Eagle Scout. He graduated from John H. Reagan High School in Houston in 1953.

Clinton married Vivian Eileen Turner March 10, 1956 in Houston, TX. In May 1959, he graduated with a BS in Psychology from the University of Houston. He proudly worked alongside his father and brother (Damon) at Gowan, growing the company into one of the largest sheet metal/mechanical contractor companies in Houston, and continued there until his retirement, December 2015.

During his career, he served as president of the Houston Sheet Metal Contractors Association 1978 -1979, President of Sheet Metal and Air Conditioning Contractors' National Association 1985-1986, and was inducted into the SMACNA College of Fellows in 1986. He served as Trustee for Sheet Metal and Air Conditioning Contractors' National Industry Fund of the United States 2002-2006 and as President of Mechanical Contractors Association of Houston 2006.

Clinton was an avid Cougar alumnus, golfer, and card player. But his favorite pastime was spending time with family at their East Texas cattle ranch, affectionately named for his grandchildren, "The Little g Ranch".

He is preceded in death by his parents, sister, brother, and young daughter. He is survived by his loving wife of 68 years, Vivian of Conroe, TX, daughter and son-in-law, Cindy Formas (Art) of Cypress, TX, son and daughter-in-law, Clinton Odell Gowan, III "Chip" (Jill) of Lee's Summit, MO, six grandchildren: Arthur "Trey" Formas III (Gabby), Jordan Kellinger (Joe), Jared Gowan (Jenna), Andrew Formas, Jacob Gowan (Camryn), and Joshua Gowan, and 3 great grandchildren: Henry Joseph Kellinger, Clint Daniel Gowan and Carson Rose Formas, as well as brother-in-law and sister-in-law, Clarence and Maureen Turner, sister-in-law Carolyn Gowan and many loving nieces and a nephew.

Services will be held at Brookside Funeral home 13747 Eastex Freeway Houston TX, with visitation on Sunday, August 4th, 5:00-8:00 pm and a Celebration of Life service Monday August 5th, 10:30 am with graveside ceremony following.

Special appreciation goes to all Family Tree caregivers, especially Charisma, Rita, and Lisa and Good Shepherd Hospice.

In lieu of flowers, gifts can be made in memory of Clinton Gowan Jr. benefitting the University of Houston. Please visit <https://giving.uh.edu/gift> - you may choose Priorities (fund: Centennial Project) or Campus Life (fund: Athletics / football program) and select the memorial gift designation. For checks (memo section: memorial gift for Clinton Gowan Jr. / Centennial Project or Athletics/football program) can be mailed to University of Houston: Gift Processing & Records P.O. Box 867 Houston, TX 77001-0867, SMACNA College of Fellows Scholarship Fund or The American Heart Association.

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# Special Interest Groups

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Women  
of ASPE®



**Shannon Yancey**

We are pleased to announce that Shannon Yancey with Caleffi North America has agreed to take on WOA Chair for our Houston Chapter. We are excited to have her part of the team and she will have some exciting events lined up soon for our Women of Aspe!

ASPE  
YOUNG  
PROFESSIONALS



**Joe Brewers**

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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**ASPE**  
**YOUNG**  
PROFESSIONALS®

Hey!

**Learn more about our group!**



ASPE Young Professionals (AYP) is dedicated to the needs of plumbing engineers and designers 35 years old and younger. Your local ASPE Chapters have been busy organizing exciting opportunities designed to help you excel in your career, including:

- > Partnerships with other associations
- > Social and networking events
- > Educational offerings
- > Mentoring programs

And more!



Exclusive AYP Sponsor



To learn more about the ASPE Young Professionals special-interest group, email [ayp@aspe.org](mailto:ayp@aspe.org) and visit [aspe.org](http://aspe.org).

ASPE  
YOUNG  
PROFESSIONALS

KIRBY  
ICE HOUSE  
= "A Neighborhood Pearl." =



Good Times!



Justin Ryan Adams  
Kendra Barns  
Chuck Baumgarten  
Lwin Chaw P.E., CPD  
David G. Clark P.E.  
Philip Diaz  
Alan Fritsche  
Victor Garcia  
Kenny Lynn George  
Francisco Gonzalez  
Chelsea Hahn CPDT  
Shawn Coleman McCall  
Brand Ruby  
BJ Shrader  
Steven W. Smith  
Monti Webster  
Samuel Wong P.E., CPD  
Shannon Yancey

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- Provides vandal resistance for the heater
- Prevents legionella by instantly heating the water
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- Available with integral ASSE 1070 (CM Model)
- Meets energy code by supplying hot water in under 6 seconds

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FEASIBILITY STUDIES \* CONCEPTUAL DESIGN \* SPECIFICATION GUIDES  
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.**  
5829 West Sam Houston Parkway North, Suite #1111  
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



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# Career Opportunities

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Infinity MEP+S is looking for **Plumbing Designers** to join our team in Houston! If you're interested in becoming a part of our team and building a career, we want to talk to you!

At Infinity, we are committed to building a culture of growth and development within our team. Our employees are our greatest asset, and we strive to give them the resources and training to reach their full potential.

Check out our job post for more information!

Or send resumes to [nbadke@infinitymep.com](mailto:nbadke@infinitymep.com)

Spread the word and connect us with anyone that is looking for this new opportunity!



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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GFE has an opening for a Lead Plumbing Designer!

This is a Great Opportunity to grow your professional career at a firm with a solid reputation in the Healthcare industry. Our team is committed to a high standard of quality work and personal development. Our culture supports longevity, a true team atmosphere, and strong work ethic. GFE has been a Leader in Houston Healthcare Engineering for 18 years.

Lead Plumbing Designer Position Minimum Requirements:

5+ years experience in Plumbing design and understanding of commercial Plumbing systems including system layout and sizing. 3 years HealthCare project design experience. Med Gas System design. Self-motivated. Able to manage your own work schedule.

Benefits:

Competitive Salary and Bonus. Hybrid work schedule - 3 days in the office, 2 days from home. Health, Dental, and Vision Insurance. 401k with matching. 7 paid Holidays. 3 weeks PTO.

Please submit resumes to: [afritsche@garnerfritsche.com](mailto:afritsche@garnerfritsche.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

## CUSTOMIZABLE SABER VALVE COVERS ONLY BY DELANY PRODUCTS

The Saber, Delany Products' top-of-the-line manual flush valve has always been beautiful, thanks to the scratch-resistant cover and sleek modern lines.

Now, custom engraved cover caps can show off the logo for a university, corporation or sports franchise.

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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

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

Board of Governors, Society Education Committee

## **Zed Hernandez**

Webmaster, Newsletter Editor/ Social Media Director

## **Greg Salter / Jaime Cruz**

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.

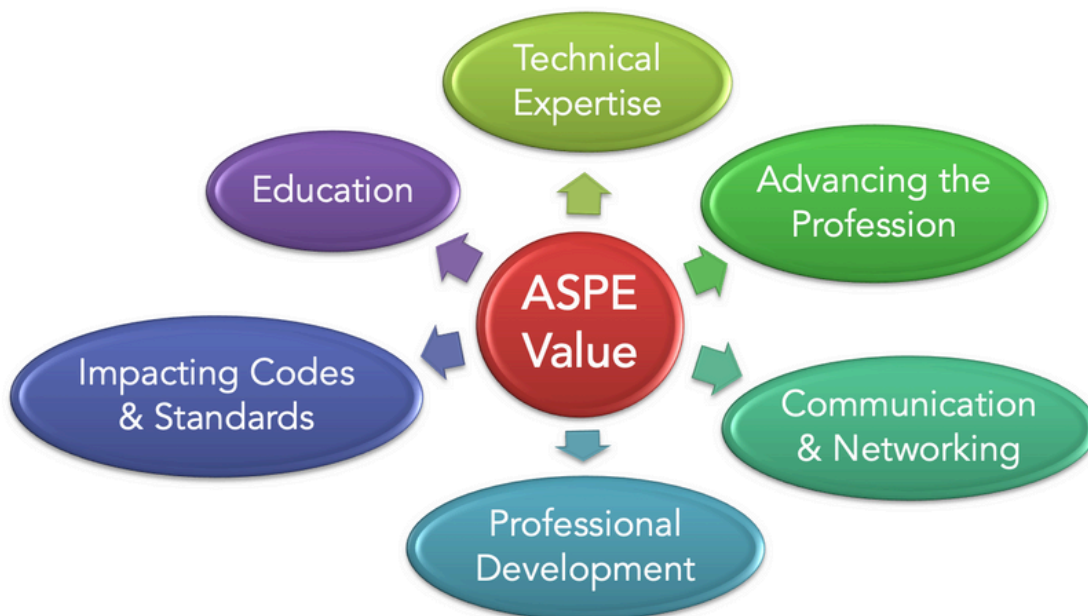


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## ASPE Purpose

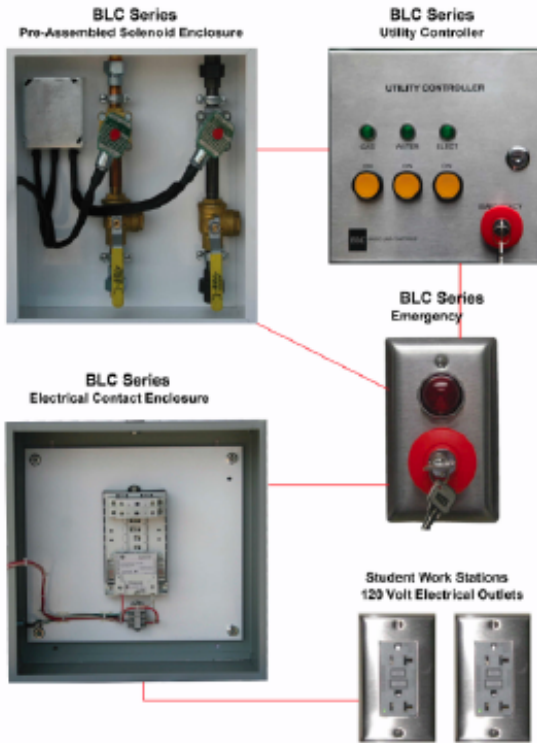
The core purpose of the American Society of Plumbing Engineers is to continually enhance and promote the profession of plumbing engineering design while assisting in improving the health, welfare, and safety of the public on a global scale.



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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:

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>



Main Line: 832-394-9000

Main Email: [Houston.PermittingCenter@houstontx.gov](mailto:Houston.PermittingCenter@houstontx.gov)

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

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**ONE STOP AND RESIDENTIAL PLAN REVIEW**