
HOUSTON CHAPTER

ASPE Newsletter

Chartered July 10, 1968

October 2023

Houston, Texas



Houston ASPE Board of Directors



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October 2023

Hello everyone! Were you as excited as I was!? It finally rained! Normally we would face floods around this time, but I'm glad we missed them. As most of you know, if you live and work in Texas you never know what you're going to get. Let's hope the rain keeps coming! The first meeting went very well, I want to thank all of you who were able to attend.

The October chapter regular general meeting will be resuming at the Dukessa Event Venue on 2840 Chimney Rock Road Starting at 11:30 a.m. on Wednesday, October 4th. Our October Houston ASPE Chapter BOD meeting will be held on Friday, October 13th. Please be sure to RSVP early! Please make plans to join us and see Billy's, your VP Technical article for information regarding the speaker and technical topic. Go to our official ASPE Houston website and register. I want to mention again that our past president Jeremy Charmchizadeh is currently working on finalizing the details for Kim Gaskey's golf Tournament. Please stay tuned for this special event. Flyers may be out and people registering by the time you read this. As always our AYP and WOA Liaisons Joe Brewer and Shannon Yancy are working hard to get their events scheduled. These are always fun events to attend so please be on the lookout.

We are continuously striving to provide our members with meaningful, education, and even sometimes fun chapter meetings. If you have any ideas for future chapter functions or meeting topics, please contact one of the BOD members. We are always open to suggestions and want to encourage as much member participation as possible. If anyone is interested in getting involved with any of the events we have in store for this year, please don't hesitate to email me or call me. Thank You!

Stay cool and safe my friends!

Thanks,
Jaime Cruz
President



VP Technical



Introducing Cougar Sales' groundbreaking new direct in-line pumping technology (OverWatch) —a leap forward in efficient fluid transfer. Engineered with precision, this innovation optimizes the pumping process by minimizing energy loss, enhancing flow control, and reducing maintenance requirements. By eliminating the need for a wet well, the direct in-line pumping technology streamlines the flow path, resulting in increased operational efficiency, no corrosion, no odor pollution less detention time, and reduced operating costs. With its user-friendly design and remarkable performance gains, Cougar Sales' direct in-line pumping technology (OverWatch) is set to revolutionize fluid transfer across industries, setting a new standard for reliability and productivity.

ASPE is a great way to obtain CEU's and network with many of the most knowledgeable people in the plumbing industry. Meetings are also being posted on our Houston ASPE-Meeting section as we secure speakers for the month. If you are interested in presenting or have a technical topic in mind, please contact me at Bturcios@PBSEngineers.com, or at 832-229-7819

Thanks
Billy Turcios
VP, Technical

This Wednesday!

Register at www.aspehouston.com

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

 **COUGAR★SYSTEMS**
A Cougar USA Company

TOPIC:
**DRIVING
ENGINEERING AND
INNOVATION IN THE
PUMP INDUSTRY**



**ARJUN
SHANMUGAM**

**2840 CHIMNEY ROCK RD, HOUSTON,
TX 77056ER**

 **OverWatch**

**04 OCTOBER
11:30AM**



Welcome new members: James Jumper (Knauf), Micheal Dodson, Greg Mercer (Garner Fritsche)

Region 5 membership standings:

For this month's article I wanted to focus on something that is very important within ASPE Society, i.e., the CPD certifications. Having certifications is a way to show your customers and employers that you have been certified for the task at hand. Now is the time to be thinking about taking the test in 2024!

| Chapter | Total | PE | CPD | CPD + PE |
|---------------------|-------|-----|-----|----------|
| Chicago | 280 | 52 | 64 | 20 |
| Dallas/Ft. Worth | 265 | 71 | 49 | 17 |
| Houston | 232 | 31 | 29 | 13 |
| Minnesota | 154 | 43 | 29 | 6 |
| St. Louis | 128 | 35 | 28 | 7 |
| Central Texas | 138 | 29 | 23 | 2 |
| Kansas City | 123 | 38 | 16 | 6 |
| Omaha | 74 | 12 | 14 | 0 |
| Wisconsin | 163 | 35 | 13 | 3 |
| Central Illinois | 31 | 7 | 7 | 1 |
| Oklahoma | 74 | 18 | 6 | 0 |
| Arkansas | 48 | 6 | 4 | 0 |
| Lubbock High Plains | 9 | 5 | 0 | 0 |
| Region 5 Total: | 1719 | 382 | 282 | 75 |

The Houston Chapter Board of Directors appreciates help from each of you for recruiting colleagues and contacts to the ASPE Houston Chapter!

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.

CITY OF HOUSTON AND TRAP SEAL DEVICES UPDATE

In a consulting call with the COH (City of Houston), it was explained that the reason that the COH allowed ASSE1072 - ASSE1072-approved barrier-type seals in the past, was due to the 2000 UPC's unclear written format.

In the later model codes after the 2000 edition, they do not have verbiage, that allows for the Barrier type trap seal inserts, as the prior code definition has been used in the past.

Difference between UPC 2000 and later editions:

A trap seal barrier insert is NOT a primer device. Therefore, under the Current UPC: A trap seal insert is not allowed as an equivalent alternative to a trap primer device.

The latest UPC editions require that these devices are in compliance with ASSE 1018 or ASSE 1044.

See below for reference data used for the code interpretation.

HOUSTON TX

2000 Uniform Plumbing Code (OLD MODEL CODE)

1007.0 Trap Seal Protection Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be provided with an approved automatic means of maintaining their water seals, except where not deemed necessary for safety or sanitation by the Administrative Authority. When automatic trap priming devices are installed, they shall be accessible for maintenance.

COH 2015 UPC Amendment (CURRENT MODEL CODE)

1007.2 Trap Seal Primers. Potable water supply trap seal primer valves shall comply with ASSE 1018. Drainage and electronic design type trap seal primer devices shall comply with ASSE 1044 2015 UPC Amendment

ASSE 1044



ASSE 1018



ASSE 1072



2015 UPC (APLIFIED)

1007.0 Trap Seal Protection. 1007.1 General. Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be protected with a trap seal primer, except where not deemed necessary for safety or sanitation by the Authority Having Jurisdiction.

Trap seal primers shall be accessible for maintenance. Floor drain traps that do not connect to a water[1]supplied fixture will tend to evaporate. Other traps that are not periodically used or are installed in overly dry areas will lose their seal by simple evaporation. The result of this loss of trap seal allows known health hazards such as hydrogen sulfide, methane, bacteria, viruses and mold to enter the living space.

The SARS epidemic (Severe Acute Respiratory Syndrome) reported in Hong Kong, China in 2003 caused in part by a dry and leaking trap, has raised the awareness of the dangers of an unprotected sanitary drainage system.

One of the first lines of defense against trap failure is the trap primer, which is a piping device that helps to maintain a water seal in a remote trap. A trap primer connects to a cold water inlet or other water supply. Every time that inlet or supply is used, a small amount of water flows down to the trap to keep the water seal from drying up. If the primer is electronic, it is set on a timer that daily releases enough water to maintain the trap seal (see Figures 1007.la and 1007.lb). It is clear that traps can easily dry up in rooms where floor drains are seldom used, but it may not be obvious that traps dry up in rooms that are used daily. This is a common problem in mechanical and service rooms, which are often dry and overly warm.

Years ago, traps would be regularly replenished on the janitor's nightly rounds. Enough of the soapy water from those old fashioned heavy mops would go down the floor drain to replenish the trap. Today, with the popularity of dry chemicals for cleaning, not much water is used on the floors, at least not enough to keep the
**CHECK VALVE SEAL VACUUM BREAKER AVOID DIRECT INSTALLATION TO
PREVENT FOREIGN MATERIAL FROM ENTERING DIRECTLY INTO THE PRIMER
TRAPS AND INTERCEPTORS traps seal full. By providing a trickle of water every
time water is used, trap seal primers refill the seal of a P trap**

IPC 2021

1002.4 Snapshot

1002.4.1 Trap seal protection.

Trap seals of *emergency floor drain* traps and trap seals subject to evaporation shall be protected by one of the methods in [Sections 1002.4.1.1 through 1002.4.1.5](#).

Premium Code Insights :

 Code Change Details

 Hearing Videos

1002.4.1.1 Potable water-supplied trap seal primer valve.

A potable water-supplied trap seal primer valve shall supply water to the trap. Water-supplied trap seal primer valves shall conform to ASSE 1018. The discharge pipe from the trap seal primer valve shall connect to the trap above the trap seal on the inlet side of the trap.

1002.4.1.2 Reclaimed or graywater-supplied trap seal primer valve.

A reclaimed or graywater-supplied trap seal primer valve shall supply water to the trap. Water-supplied trap seal primer valves shall conform to ASSE 1018. The quality of reclaimed or graywater supplied to trap seal primer valves shall be in accordance with the requirements of the manufacturer of the trap seal primer valve. The discharge pipe from the trap seal primer valve shall connect to the trap above the trap seal, on the inlet side of the trap.

1002.4.1.3 Wastewater-supplied trap primer device.

A wastewater-supplied trap primer device shall supply water to the trap. Wastewater-supplied trap primer devices shall conform to ASSE 1044. The discharge pipe from the trap seal primer device shall connect to the trap above the trap seal on the inlet side of the trap.

1002.4.1.4 Barrier-type trap seal protection device.

A barrier-type trap seal protection device shall protect the floor drain trap seal from evaporation. Barrier-type floor drain trap seal protection devices shall conform to ASSE 1072. The devices shall be installed in accordance with the manufacturer's instructions.

1002.4.1.5 Fixture drain connection for trap priming.

A *fixture drain* from a lavatory or hand sink shall serve as a method of providing trap seal protection for an *emergency floor drain*, a trench drain, or a floor sink where such fixtures are located in the same room. A *fixture drain* from a drinking fountain shall serve as a method of providing trap seal protection for an *emergency floor drain*, a trench drain, or a floor sink where such fixtures are in the same room or in a room adjacent to the room having the drinking fountain. The *fixture drain* shall not be routed on or above the surface of the floor and shall connect to the floor drain, trench drain, or floor sink at a point that is below the *flood level rim* and above the inlet to the trap of the receiving fixture.



Written by Zed Hernandez
Collaborations and references by:
Uniform Plumbing Code (UPC)
International Plumbing Code (IPC)
City of Houston (COH)
Francisco DeHoyos, CPD, FASPE.

Zed Hernandez

THE
**KIM GASKEY
MEMORIAL GOLF
TOURNAMENT**



OCTOBER 19TH 2023 | 10AM -7PM
(11AM SHOTGUN START)



IN REMEMBRANCE OF THE LATE KIM GASKEY, WE ARE HONORED TO ANNOUNCE A MEMORIAL GOLF TOURNAMENT TO BE HELD ON OCTOBER 19 AT THE GLENNLOCH PINES GOLF CLUB.

THIS EVENT IS A FITTING TRIBUTE TO CELEBRATE KIM'S SIGNIFICANT CONTRIBUTIONS TO THE PLUMBING ENGINEERING INDUSTRY AND HIS DEDICATED SERVICE TO THE HOUSTON ASPE (AMERICAN SOCIETY OF PLUMBING ENGINEERS) CHAPTER.

JOIN US AS WE COME TOGETHER TO HONOR HIS LEGACY AND REMEMBER THE REMARKABLE IMPACT HE MADE ON OUR COMMUNITY. YOUR PARTICIPATION WILL HELP ENSURE THAT KIM'S MEMORY CONTINUES TO SHINE BRIGHTLY IN OUR HEARTS AND WITHIN THE PLUMBING ENGINEERING FIELD.

Company Name: _____

Contact Number: _____

Team Name: _____

Player 1 _____

Player 2 _____

Player 3 _____

Player 4 _____

Send the completed form to Jeremy.charmchizadeh@hok.com

This event is free of charge to Houston Aspe members and one guest per team.

Dinner and door prizes will be provided after the tournament.

DIAMOND



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at



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ASSE 6060
Medical Gas
Systems Designer



ATTENTION!

All Consulting Engineers Interested in Design of Healthcare Facilities Medical Gas Distribution Systems

**BeaconMedaes is sponsoring ASSE 6060 in Houston, Texas
October 16 - 20, 2023**

What is ASSE 6060?

It is a professional qualification that, when certified with the accreditation, demonstrates one's knowledge of the specific detailed requirements to design piped medical gas systems in healthcare facilities with adherence to the latest NFPA 99 code. This class gives the grounding necessary for excelling in this essential design specialty and the credential proving that competence.

The course is 32 hours and includes practical design, standards, general familiarity with medical gas applications, systems terminology and components. A 100-question exam is taken for credentialing where 50% of the questions are design related problems (70% is passing). This course, taught by Mark Allen, is unique in that all material is in terms of a mock facility where the students design the complete medical gas system over the 32 hours of class time.

Why pursue the ASSE 6060?

- 1) The 6060 is going to be in the 2024 NFPA 99. While the 6060 will not be a requirement for all medical gas designers, it will be listed as an option that proves qualification of the med gas designer.
- 2) Per the 2021 NFPA 99, Healthcare facilities must have a Responsible Facility Authority (RFA). This person will oversee all the piped medical gas equipment regarding Inventory, Maintenance, Compliance, Documentation, Updating, Renovations, Additions, Etc. Per NFPA 99, the RFA is required to have an ASSE 6000 accreditation and, as such, they may prefer design engineers that are accredited to the same standard that they are required to hold as well.
- 3) Consulting Engineering firms can promote having ASSE 6060 accredited engineers on their Healthcare design teams. Hospitals and other facilities can take comfort in knowing that the engineers designing their medical gas network of equipment are well versed in all applicable codes AND best design practices when they acquire the 6060 credential.

Who can take the ASSE 6060?

Per the ASSE 6000 standard, anyone that has a professional interest in medical gas design who has two years of previous plumbing or mechanical experience can take this course and test for the accreditation.

Class Instructor Bio: *Mark Allen*

Mr. Allen has been involved in medical gas industry since 1978. He started out of university with one of the earliest certification firms when "certification" of medical gas systems was a concept yet to be widely accepted. He transitioned to Ohmeda Medical Engineering in 1985, and since then has been involved in virtually all aspects of medical gas work, including testing and verification, regulatory, advocacy, product development, marketing, and education.

He is an active member of the National Fire Protection Association Technical Committee on Medical Gas and Vacuum Systems and has been involved with that Committee since the 1987 edition. He is also an active member of the Canadian Standards Association Technical Committee on Medical Gas and Vacuum Systems and is involved with the ISO TC121 / SC6 committee dealing with Anesthetic and Respiratory devices, including medical gases.

He has been honored by the MGPHO Verifier's organization as a special expert.

He has chaired various committees with industry regulatory bodies and is the author of numerous journal articles, design guides and other technical aids for the engineering of medical gases.

Mr. Allen is now retired from his formal roles in manufacturing at BeaconMedaes but remains involved with the various medical gas regulatory and standards writing bodies, and focusses on education, conducting 6020, 6040 and particularly the new 6060 course.



Save the Date!

October 16 -20, 2023 : Houston, TX

Norris Conference Centers

Houston Westchase

9990 Richmond / South Bldg. / Ground Floor

For any questions, please contact:

Mark Tench

Email: mark.tench@beaconmedaes.com

Phone: 214-708-4587

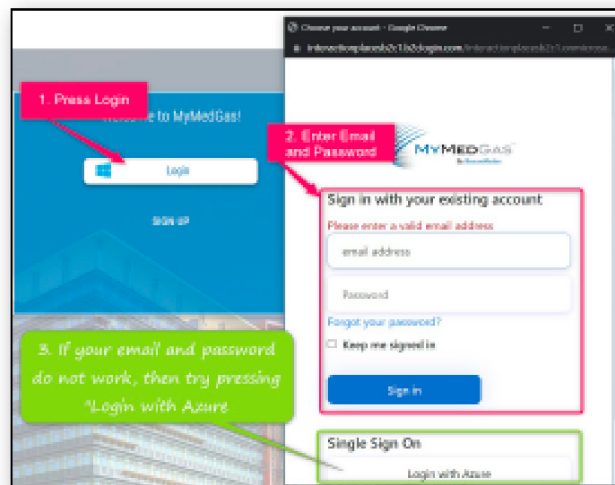
Price: \$2,800 per person

Classes Mon-Thurs 8-4:30, Test on Friday

Includes: Light breakfast, lunch, 2021 NFPA 99 code book and class handouts, 6060 Credential (after passing test)

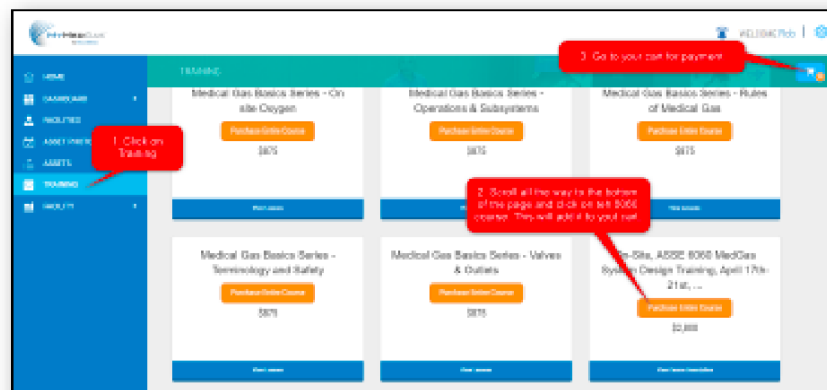
How to sign up and pay for the upcoming Houston ASSE 6060 training using a credit card

1. Log into <https://app.mymedgas.com> with your account.
 - a. If you do not have an account yet follow these steps:
 - Sign up at <https://app.mymedgas.com/signup>
 - This sign up will go to the back office for approval
 - (MyMedGas will send an email notification once you have been approved)
 - Once you receive access go to <https://app.mymedgas.com> and sign in



If your email and password do not work, then try with clicking "Single Sign On" and Login with Azure

2. Go to the training tab and scroll all the way to the bottom to find the On-Site ASSE 6060 course. Click on it to add it to your cart



Special Interest Groups

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.

ASPE
YOUNG
PROFESSIONALS

KIRBY
ICE HOUSE
= "A Neighborhood Pearl" =



Good Times! October outing

Women of ASPE®

This Event
Sponsored by



invites you to:

Wine Tasting at

SABLE GATE

WINERY

2600 Travis St., Suite 105 | Houston, TX



Join the Women of ASPE for a laid back evening of fun at Sable Gate Winery. Participants will have the opportunity to sample a flight of wine made up of six varietals while enjoying some delicious appetizers. Questions or comments?

Contact Shannon at
shannon.yancey@caleffi.com

NOVEMBER 8TH
6PM-8PM

**SAVE
THE DATE**

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Bradford White Microban® specifications can be accessed in the following locations:

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- MasterSpec to get Microban® integrated into the platform.
- Specification section on the Bradford White website (scan the code to access).

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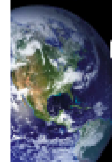
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TESTING * SYSTEM CERTIFICATION * EMPLOYEE TRAINING

CHRISTOPHER B. ENNIS, CET
ce@firedsi.com

P. MARK THOMASSON, CET
mt@firedsi.com



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Visit us on the web at: www.FireDSI.com



MEP SPOTLIGHT



ABOUT CEG

Collaborative Engineering Group (CEG) was established in 2010 by a group of experienced engineers who wanted to create an MEP engineering firm with a strong focus on collaboration with team partners.

CEG's partners bring a diverse portfolio of professional engineering services in the design of Mechanical, Electrical, Plumbing, and Fire Protection Systems.

It is the philosophy of CEG that when the MEP engineers function as a collaborative team partner, the client obtains the most innovative, functional, and cost effective project. In addition, CEG is committed to providing the consistent, responsive, personal attention that each client desires.

Bellevue, Washington
20 **ASPE** 23
TechSymposium
September 28 - October 1



Carrer Opportunities



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

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.



TELIOS

Mid-Level Plumbing Engineer in Houston, TX

Position available for a mechanical engineer/plumbing designer with a primary focus on plumbing, hydronics, and fire protection system design. Market focus will be commercial, corporate office, healthcare, and industrial facilities. Specific areas of responsibility include the following:

Designing plumbing and fire protection systems for a fully operational facility.

REVIT based design production.

Assisting in the coordination of project designs with other disciplines.

Attending construction site observation and construction administration meetings.

Maintaining positive client relationships.

Production of project-specific plumbing, hydronics, and fire protection specifications.

Minimum Criteria

3 to 7 years experience in plumbing systems design

Bachelor's degree in Architectural or Mechanical Engineering is preferred, but not required.

E.I.T. is preferred, but not required.

Strong quality control of documents.

Please submit resume to career@teliospc.com.

If you or your company would like to post a job on our ASPE news letter please email zed@championsmarketing.net



GO TEAM

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Contact your Delany Products sales rep today and start showing your team spirit!



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Whitehall's BestCare® ligature-resistant restroom fixtures and accessories are designed for the comfort, safety, and security of patients in behavioral healthcare environments. For new construction or renovation, BestCare is your complete solution.

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Committee Members

Dave Cropper

Chapter Affiliate Liaison, Construction Industry Council

Francisco DeHoyos

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

Board of Governors Chairman, Society Education Committee

Zed Hernandez

Webmaster, Newsletter Editor/ Social Media Director

Greg Salter / Jaime Cruz

Product Show Chair/ Co-chair

Greg Swafford

Region 5 Affiliate Liaison

Chris Ennis, CET

Chapter Social Director

Cyril Unger

Society Chair, Legislative Committee

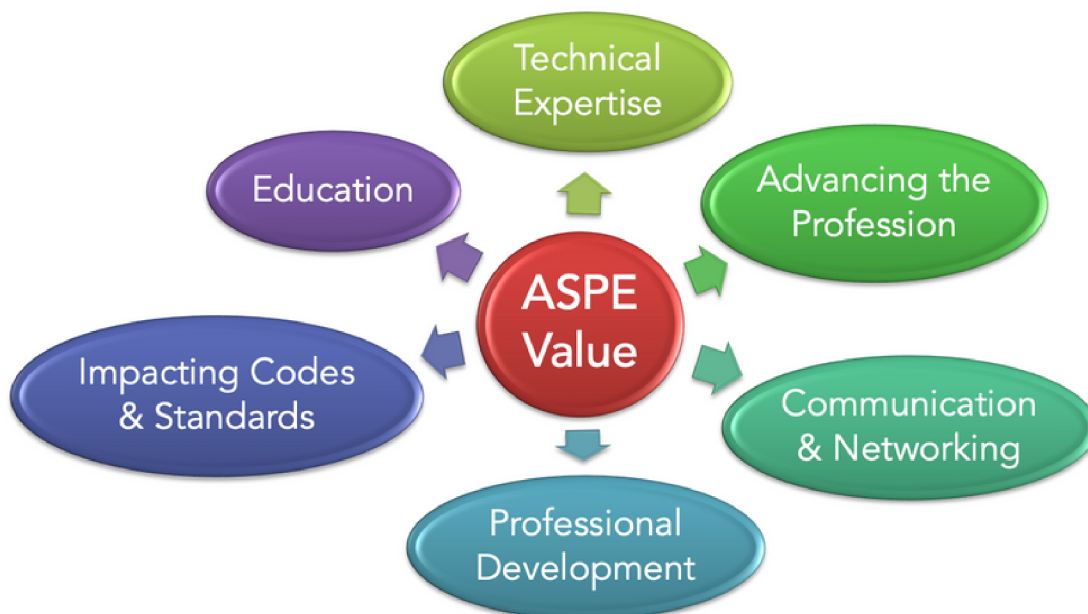


Connect with us
on Social Media!



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.





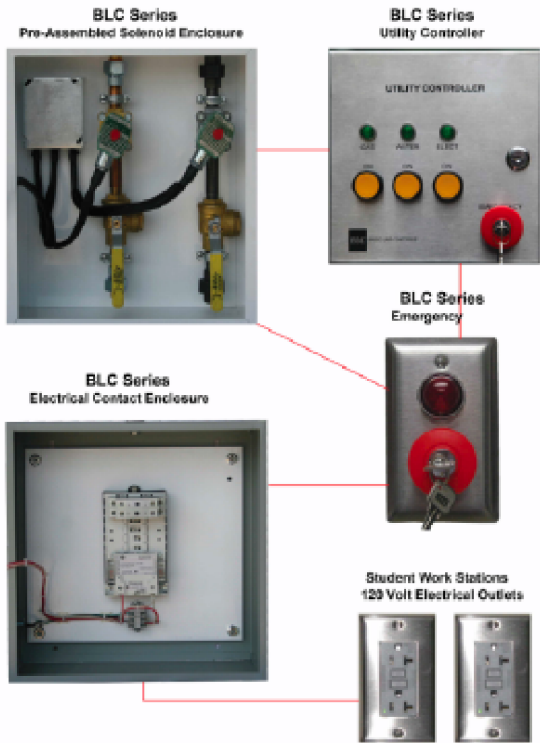
October

Benjamin Baker CPD
Laura Burgess
Dalton Campbell
Jaime Espina Cruz
Ocatavio Govea
Magdaleno Guerrero
Edwardo Lopez
Diana Luna
Nicholas Martinek
Remi McCoy
Sean McLeod P.E.
Kevin Milazzo
Randy Milian
Dustin Schuller
Andrew Shannon P.E.
Steve Torrez
Gabriela Uribe
Tim Zacharias

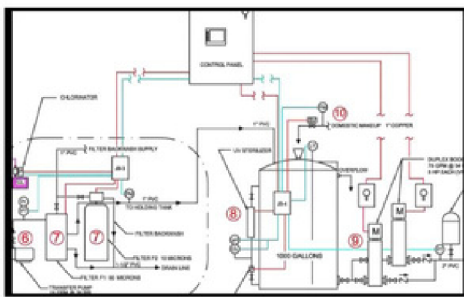
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The following are the current construction codes enforced by the City of Houston.

| Code | Publisher | Effective Date |
|---|-----------|-------------------|
| 2015 International Residential Code (with Houston Amendments) | ICC | April 1, 2022 |
| 2015 International Building Code (with Houston Amendments) | ICC | April 1, 2022 |
| 2015 International Fire Code (with Houston Amendments) | ICC | April 1, 2022 |
| 2015 International Existing Building Code (with Houston Amendments) | ICC | April 1, 2022 |
| 2015 Uniform Mechanical Code (with Houston Amendments) | IAPMO | April 1, 2022 |
| 2015 Uniform Plumbing Code (with Houston Amendments) | IAPMO | April 1, 2022 |
| 2018 Swimming Pool and Spa Code (with Houston Amendments) | ICC | April 1, 2022 |
| 2020 National Electrical Code (State Mandated) • Administrative Code Provisions (Effective April 1, 2022) | NFPA | November 1, 2020 |
| Sign Code (Chapter 46 of the Houston Building Code) | COH | July 29, 2020 |
| 2015 International Energy Conservation Code (with Houston Amendments) - <i>For One and Two-Family Dwellings and Multi-Family 3 stories or less.</i> | ICC | October 24, 2016* |
| 2015 International Energy Conservation Code (with Houston Amendments) - <i>For Commercial Structures, including Residential Structures more than 3 stories</i> | ICC | December 9, 2016* |
| ASHRAE 90.1-2013 (with Houston Amendments) - <i>For Commercial Structures, including Residential Structures more than 3 stories</i> | ASHRAE | December 9, 2016* |
| 2012 Code Words - various sections interpreted and administrative policies | COH | N/A |

* The enforcement of Chapter 11 of the 2015 International Residential Code became mandatory by state law effective September 1, 2016. The enforcement of the 2015 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
920 Colorado P.O. Box 12157
Austin, Texas 78711

Toll-Free (in Texas) 800-803-9202
Tel: (512) 539-5669
Fax: (512) 539-5690
TDD: (800) 735-2989
<https://www.tdlr.texas.gov/ab/abtas.htm>

The Houston Amendments to the Codes, the Sign Code, and 2012 Code Word can be downloaded at:
<https://www.houstonpermittingcenter.org/help/codes>



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