



Next Meeting

LUNCH MEETING

***MONDAY,
OCTOBER 16th, 2017***

290 Congress St, BOSTON

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President's Report

The September meeting was well attended. Bob Littman of Air Energy, LLC did a great presentation on vacuum systems.

ASPE Society is hosting the Biennial Technical Symposium in Montreal, Canada. The Symposium is schedule to take place October 20th through the 22nd. Registration is still open and we encourage you to attend. If you are planning on attending please let me know, as there will be a few others from Boston attending.

Annual Chapter Golf Tournament

On behalf of the Board of Directors I would like to thank our Affiliate Liaison Jeff Gooding and Vanessa Sisti-Brown for working hard in coordinating and executing the tournament. I would also like to thank Bill Brady of Vanderweil for being the MC and entertainer at lunch.

I am pleased to report that we had over 100 golfer's registeed and 29 hole sponsors for our 27th Annual Golf outing. The outing was held at Wayland Country club in Wayland, MA. This year we tried something new, and through the generosity of one of our sponsors, JH Pokorny Assoc. we had a golf ball cannon. This went over very well. I personally could have used it on every hole!

We are grateful to the generous donations by the many manufacturer's representative and sales associates within our plumbing community. Viega led the way by sponsoring our breakfast sign in and the Greater Boston Plumbing Contractors Association (GBPCA) sponsored the hot dogs on the turn. Thank you again for supporting our chapter! Here is a list of the companies and organization that sponsored this year's events:

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Greater Boston Plumbing Contractors Association (GBPCA)		

October meeting

Please note that our October Meeting this year **will not be on the 2nd Tuesday of the month, it will be on the 3rd Monday of the month, which is October 16th**. Also, note this meeting will be a lunch time meeting held at the Fort Point Room located at 290 Congress Street. Please arrive at 11:30 to sign in, show starts at 12! The topic will be on Pure Water Distribution, presented by Brian Hagopian.

(Continued on page 3)

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(Continued from page 2)

Product Show

There are still booths left at this year's, Biennial Product Show. If you are interested in a booth please contact Ethan Grossman at Ethan.Grossman@arup.com, or Kevin Lally at kwl@eldaar-craftdesign.com, or visit the website (www.aspebostonchapter.org.)

This year's product show will be on November 14th at the Lantana in Randolph, MA. This show is for you! The key to a successful product show is your attendance. The product show is open to engineers, contractors, AHJ's architect and facilities persons. You don't have to be an ASPE member to attend this event, so please spread the word around to your fellow colleagues and clients. Registration is through our electronic invitation system and is on the chapter's website.

Here is a list and schedule of the education seminars:

Seminar Number	Subject	Speaker	Time	Tuition
1	Pumping Systems Booster, Sump, Hot Water Recirculation <i>(Breakfast and Lunch will be provide at this seminar only)</i>	David Pellegrini Patrick Shea	7:30 am - 3:00 pm	\$75.00
2	Grease Traps Inside and Out	Jeff Horn	12:45 - 1:45 pm	FREE
3	Plumbing Design / Fixtures and Accessories Slections	Frank Teebagy Jim Polando Joe Barberra	12:45 - 1:45 pm	FREE
4	FIRE Standpipe and Sprinkler Pressure Reducing Valves	Paul Sposato	12:45 - 1:45 pm	FREE
5	UV Disinfection for waste, potable, reclaim and non-potable water	Alok Paliwal	2:00 - 3:00 pm	FREE
6	Third Party Product Certification	Edwin Ho	2:00 - 3:00 pm	FREE

Best Regards, Edward Nadeau, ASPE Boston Chapter, President



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Technical Report

Happy Autumn to the everyone. It's time to sadly bid adieu to summer, and hello to baseball playoffs, football Sundays, hockey's return, leaves changing color, and no more heat and humidity. It doesn't sound so bad when you put it that way. Well, no matter how much everything changes around us, your ASPE Boston Chapter's goals remain the same. To bring you the best in plumbing related education and real world applicable information.

With this in mind, I'd like to thank Bob Littman for his presentation at the September meeting on the many applications of vacuum systems and how to size, select, and apply this technology correctly. As always Bob provided an engaging, easy to understand presentation on this often misunderstood technology, and left us with some important things to remember. First, you can never ask too many questions of your client to ensure you are using the correct or best type of vacuum pump to suit their needs. Second, how important it is to understand the actual vacuum levels and flows required at the point of application. Third, it's paramount to understand the difference between ACFM & SCFM (Actual Cubic Feet per Minute vs. Specified Cubic Feet per Minute), and how the difference between these two flow rates increases almost exponentially as the vacuum levels get deeper. Fourth, being on the same page with your client as far as vacuum levels requires us to understand the many different measures and scales of vacuum that are used in the industry (the US is the only place that uses Inches of Mercury, while scientists and industry may be more likely to use Torr, mm of Hg, or even inches of water column.) Hopefully many of you attended last month's meeting, left with a somewhat better understanding of these systems, where to utilize specific types of pumps, how to size them, and how to size the piping systems.

Reminder: Our next monthly chapter meeting is to be held on the third Monday of October, and will be a lunch time meeting. October 16th, 2017 - Pure Water Distribution Piping System Design Guidelines and Lessons Learned

Getting pure water from the mechanical room to multiple use points in a facility can be complicated, particularly when trying to do it without altering the purity of the water. Attend this session to learn about the do's and don'ts of designing high purity water distribution piping systems. The presentation will start by reviewing designs of simple systems and build up to more complex systems while discussing design options available to the plumbing engineer. Variables such as flow balancing and control, pressure control, and other important factors will be reviewed. A few challenges and local case histories will be discussed to illustrate the issues faced across the industry.

Brian Hagopian, CPIP will be our presenter. Brian is a chemist, and he runs his own consulting company Clear Water Consulting, Inc. He is a long time ASPE member, and well regarded locally as one of the true experts on pure water design amongst other knowledge in the process design world. Many of you will remember Brian from his many years owning and operating Fluid Solutions (now Marcor). He is still very active in the community providing consulting services as well as being very active in ISPE as well.

Much like vacuum systems, I have seen many pure water systems which have been designed in a manner not compatible with the intended use. Like all systems, there are a number of ways to approach them all, but there are specific rules to keep in mind when selecting pure water systems. How much flow do I need? Why purity level or classification is required? What velocity am I maintaining in my pipes? These are often the questions we ask when selecting the pure water generating system, but what about the piping system? This can be as important as the package itself. Is it sized appropriately to flow the specified GPM at the proper velocity? Are there dead ends to the piping? How are multiple levels or multiple tenants separated and balanced? There is often a disconnect in the design phase between the pure water skid and the piping loop. There is a similar divide on the installation side between getting the packaged system running properly, and properly balancing the piping system to optimal operation.

Brian is the guy to answer these questions and more. This presentation will be valuable to not just designers and engineers, but also to contractors and facility managers.

(Note: This meeting will be on a Monday & is a Lunch time meeting @ 290 Congress St. Boston, MA. Please arrive by 11:30am to sign in.)

Upcoming Technical Events:

October 20th – 22nd will be the Bi-Annual ASPE Society Symposium will be held in Montreal, Quebec, Canada. This is an event dedicated to providing education to the Society members. Check out the society website for more information. www.aspe.org.

November 14th will be the ASPE Boston Chapter Product Show, which will feature a number of educational seminars prior to the product show. CEU's will be available for attending, and will be followed by our Bi-Annual Product show with many vendors showing you the latest and greatest in plumbing technology. See the legislative report and attached flyer for seminar information.

If you have any topics you would like covered at an upcoming meeting, please shoot me an e-mail at chris_curran@aha-engineers.com. We want to make sure we are catering to the entire Boston Chapter. The first couple meetings are fairly heavy on the life science industry, although the lessons learned cover many other fields as well, we want everyone to get the most out of their chapter as possible.

Best Regards, Chris Curran, VP Technical, ASPE Boston Chapter



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NEXT MEETING
MONDAY, OCTOBER 16th, 2017
290 Congress St , Boston, MA

MAIN PROGRAM
Pure Water Distribution Piping System Design Guidelines & Lessons Learned

SPEAKER
Mr. Brian Hagopian

PROGRAM SCHEDULE
LUNCH MEETING
11:30 Sign In

MENU
TO BE DETERMINED

MEETING RESERVATIONS
\$25.00 ONLINE Reservation
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Legislative Report

As of today, The State Board of Examiners for Plumbers and Gasfitters (The Board) has not selected a new executive director to The Board. The Governor is also working on finding the appropriate person for the Chairman position to The Board. Joseph Peluso will be the Board's contact person. Mr. Peluso is available on Tuesdays and Wednesdays only. The Board is still conducting variance and product acceptance on the first Wednesday and last Wednesday of the month.

The current Members of Board of State Examiners of Plumbers and Gas Fitters are:

Ruth D. Alfasso,
John F. Cruz,
Daniel Kilburn,
Harold Knight,
Joseph P. McNamee,
Joseph V. Waskiewicz,
Bahig Kaldas, PE
Sarah A. Badway (Public Member)

For more helpful information on The Board of State Examiners of Plumbers and Gas Fitters, please visit their website at: <http://www.mass.gov/ocabr/licensee/dpl-boards/pl/>

By Luther Thevenin, CPD, VP Legislative



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 - Natural & Propane Gas Systems
 - Layout, sizing and specifying required equipment
 - Details and specifications relating to project
- Attend meetings and have the ability to communicate clearly and thoroughly with clients and establish their needs and discuss designs and design issues.
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Membership Report

New Boston Chapter Members

The Boston Chapter ASPE would like to welcome our new members:

Stephen Spang	Affiliate Member	Victaulic	Mansfield, MA
Michael Foulds	Affiliate Member	Albo Agency	Andover, NH
Ralph Merullo G.E.	Full Member	Gustavo Preston	Chelmsford, MA
Jeremy Ryan	Special Member	GBPCA	Danvers, MA

Boston Chapter Membership Totals

Below is the current membership breakdown for the Boston Chapter

Full Members	165
Associate Members	21
Affiliate Members	69
Government Members	1
Special Members	13
Student Members	3
Life Members	1
Retired Members	8
Total Membership	281
Of our 281 members,	
PE Members	62
CPD Members	49
PE and CPD Members	14

Membership Decline Continues

I'll be honest, it is getting really disheartening to see our membership numbers continue to slowly dwindle month after month. While we continue to recruit a handful of new members each month, we are losing more members than we are gaining. As such, our membership continues to quietly recede. Just recently we were over 300 members and the second largest chapter. As of the beginning of this month we are down to 281 members and about to relinquish our place as the second largest chapter to Chicago. Please renew your membership on time. That's all I'm asking.

October Membership Renewals

The following members are due to renew their membership in October. If you are on the list, please renew your membership as soon as possible

Jason Allison, CPD	Jeremy Ferriter, CPD	Seth Johnson	Jack Rosen
Daniel Barrett, G.E.	Paul Galvin	Eric LaForge	Kevin Ross
George Carney	Jeff Gooding	Luis Marin	Thomas Sauro
Timothy Crowley	Mark Jacobs, P.E.	Jennifer Olson	Richard Seiden, P.E.
Timothy Elliott, P.E.	William Jerome Jr, P.E.	Justin Pye	Piro Shipka

By John Callahan, CPD, V. P. Membership, Boston Chapter ASPE

CALENDAR OF EVENTS

DATE	EVENT / HOLIDAY	LOCATION
October 4, 2017	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
October 16, 2017	LUNCH TIME Monthly Meeting - Pure Water Distribution Systems	290 Congress Street, Boston, MA
October 19-22, 2017	Technical Symposium	Montreal Canada (Passport Required)
October 25, 2017	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
November 1, 2017	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
November 14, 2017	ASPE Product Show & Technical Sessions	The Lantana, Randolph, MA
November 29, 2017	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
December 6, 2017	Mass Plumbing Board Meeting - Variances & Waivers, 1 st Meeting	1000 Washington Street, Boston
December 12, 2017	Joint Meeting with ASHRAE	Embassy Suites, Waltham
December 27, 2017	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston

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1. Most toilets flush in the key of E flat (Yes, really!).
2. The average life expectancy of a toilet is 50 years.
3. 72.4% of people place their toilet paper to be pulled from over the roll, rather than under.
4. An average person visits the toilet 2500 times a year. That's about 6-8 times a day. (You'll spend about 3 years of your life on the toilet.)
5. 70% of house guests snoop through other peoples medicine cabinets and drawers.
6. The first toilet cubicle in a row is the least used (and consequently cleanest).
7. The toilet is flushed more times during the Super Bowl halftime than at any time during the year.
8. November 19 is world Toilet Day.
9. People use about 57 sheets of toilet paper everyday.
10. The first toilet ever seen on television was on "Leave It To Beaver."
11. On a ship a toilet is called a head.
12. The appliance that uses the most use of water in the home is the toilet.
13. Only 7% of homes in Afghanistan have a flush toilet, but 19% have a television.
14. It takes about 384 trees to make the toilet paper rolls that one American uses within his or her lifetime.
15. Other common names for toilets are: John, Dunny, The Crapper, Throne, Think n' Stink, Lavatory, S*** House, Water Closet, Loo, Potty, Head, The Facility, Privvie, The Can, Latrine & Porcelain God
16. When it comes to toilet paper, woman are more likely to be grabbers, while men tend to be folders.
17. Thomas Crapper did not invent the toilet. He perfected the draw off flush system we use today.
18. 40,000 Americans are injured by toilets each year.

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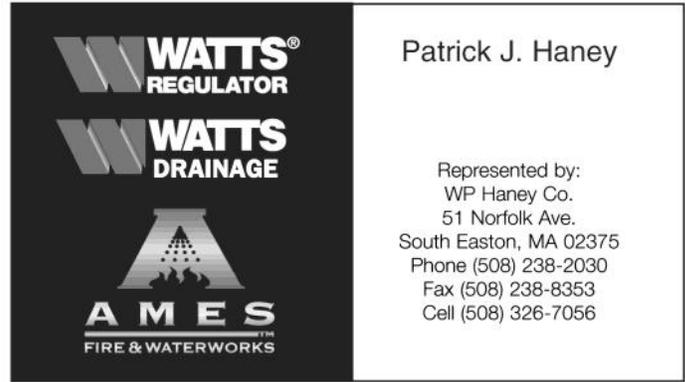
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Emerson Swan	7	New England Combustion Products	4	W.P. Haney / Watts	10
Environmental Air Specialties	6	Quantum Engineering, Inc.	5	Walter F. Morris	5
Fire Pump Testing Company	2	RL Stone Co. New England	10		
Guardian Equipment	6	SCHOTT	3		
Gustavo Preston	6	Sloan Valve Company	10		
J. H. Pokorny Associates	10	T & S Brass	10		