



Chicago ASPENews



Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 48, No. 6
January, 2017



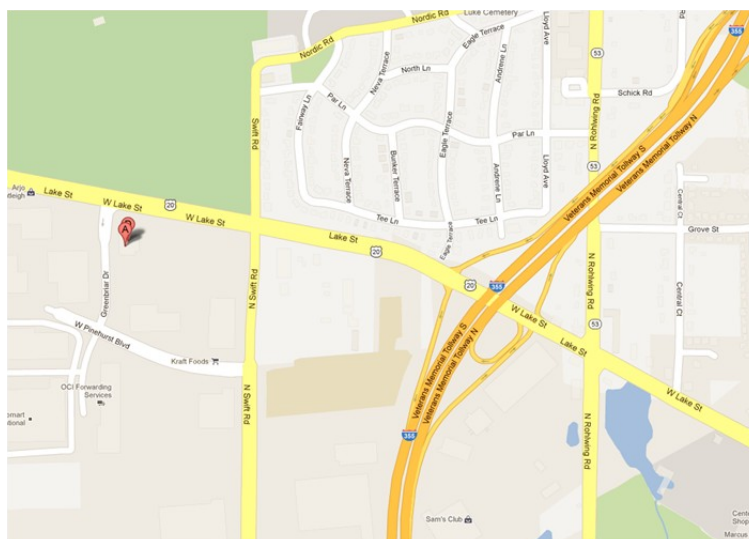
Chicago Chapter General Meeting Thursday January 19, 2017



Venuti's Ristorante And Banquets

2251 W. Lake Street
Addison, IL 60101

Plenty of free parking!



AGENDA

- 5:30pm Cocktail Hour (Cash Bar)
- 6:30pm Dinner, (\$35 ASPE Members with RSVP/\$40 Non-Members and Walk-ins)
- 7:15pm **Manufacturer Spotlight:** Heat Recovery from Wastewater and Sewage by Rick Lowler with International Wastewater Systems
- 7:30pm **Presentation:** High Rise Plumbing Considerations by David DeBord with dbHMS (0.1 CEUs Available!)

RSVP as soon as possible to April Ricketts, VP Technical!

- ◇ Call: 312-346-5000
- ◇ Email: Chicago.ASPE.RSVP@gmail.com
- ◇ Go to Chicago.aspe.org and RSVP!

MENU

Appetizers:

- Creamy Tomato Basil Soup
- Caesar Salad

Entrées:

- Garden-Fresh Vegetable Medley
- Mashed Potatoes
- Chicken Breast Medaglione and Beef London Broil

Dessert:

- Chocolate Mousse with Raspberry Sauce

Drinks:

- Soft Drinks, Coffee and Tea

Local chapters are not authorized to speak for the Society



Chicago ASPENews



2016-2017 Preliminary ASPE Chicago Meeting Schedule

Date	Technical Presentation & Manufacturer Spotlight	CEU	Location
July 30, 2016	ASPE Chicago Chapter Summer Outing Arlington Race Track	N/A	Arlington International 2200 West Euclid Avenue Arlington Heights, IL 60006
September 22, 2016	ASPE Chicago Product Show (See attached Flier for a list of Technical Seminars)		Meridian Banquet & Conference Center 1701 W Algonquin Rd Rolling Meadows, IL
October 20, 2016	Presentation Topic: Hot water Temperature Maintenance Speaker: Mark Hall with Pentair Mfr Spotlight: LabWaste CPVC Corrosive Drainage Systems Speaker: Ron Leamon with Spears Mfg.	0.1	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
October 28 thru November 2, 2016	ASPE National Convention, Phoenix, AZ		Phoenix Convention Center 100 N 3rd St, Phoenix, Arizona 85004
November 17, 2016	Presentation Topic: The Role of Copper Silver on a Multi-barrier Approach to Water Quality and Disease Prevention Speaker: Chris Ebner with Liquitech Mfr Spotlight: Froet Roof Drains and Downspout Nozzles Speaker: Craig Froeter with Froet Industries	0.1	Athena Restaurant 212 S Halsted St Chicago, IL
December 15, 2016	Chapter Membership Appreciation Booster Night	N/A	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
January 19, 2017	Presentation Topic: High Rise Plumbing Considerations Speaker: David DeBord with dbHMS Mfr Spotlight: Heat Recovery from Wastewater and Sewage Speaker: Rick Lawlor with International Wastewater Systems	0.1	**Note New Location!** Venuti's 2251 W. Lake Street Addison, IL
February 16, 2017	Presentation Topic: The Mechanics of Design: Wall-Mount Concealed Tank Toilet Systems Technology. Speaker: Mark Scharf with Geberit Mfr Spotlight: Sensor Technology Speaker: Conrad Haller with Moen	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd Schaumburg, IL
March 16, 2017	Presentation Topic: Benefits and Considerations for Graywater Treatment and Reuse in Facilities Speaker: Benjamin Sojka with RMS and Nate Nickerson with Critical Flow Mfr Spotlight: Electric Tankless Water Heaters Speaker: Eemax	0.1	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
April 20, 2017	Presentation Topic: Water Heater Solutions and Best Practices Speaker: Paul Rohrs with Lochinvar Mfr Spotlight: TBD Speaker: Mark Kaulas with Bornquist	0.1	Venuti's 2251 W. Lake Street Addison, IL
May 18, 2017	Presentation Topic: Designing Laboratory Supply Systems for Flammable and Oxidizing Gases Speaker: Brett Conley with Concoa Mfr Spotlight by Pentair	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd Schaumburg, IL
TBD	Annual Golf Outing	N/A	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates, IL

If you would like to present any of these topics or become a meeting sponsor, please contact April Ricketts at ASPE.Chicago.VPTech@gmail.com.



PRESIDENT'S MESSAGE

Merry Christmas and Happy Holidays!

I would like to wish everyone a Happy New Year. Well the Holidays have passed and a new year is upon us. This time of year is always tough to make it out to meetings with the extreme cold weather and snow piling up and traffic building but please make a New Year's resolution to make it to at least 2 or 3 monthly meetings this year. Come out and see what the benefits of being a member are all about.

I wanted to pass along the sad news of the passing of Irene French, the wife of a long time ASPE contributor, Phil French who was one of the first founding fathers of ASPE.

DECEMBER MEETING RECAP

The first annual Casino Night was a fantastic event that was well attended and enjoyed by all. The food was fantastic once again along with the camaraderie of the members. We had the Marines in attendance which is always a great experience to hear them speak about the great honor it is to help kids less fortunate than them and us as well. The marines stayed and tried their hands at the gambling tables but unfortunately did not come away winners. Prizes were awarded with the top prize (55" HD television) going to Damen Cameron with ESD (your welcome Damen).

I would like to thank the generosity of our affiliate members who once again came thru to make the event successful. I have stated this many times and will again say that without the affiliates we would not be able to have the type of meetings and events that we currently have.

I would also like to thank all the members who attended for their support throughout the year.

We will be handing out Ronald McDonald House paper houses for collection of pop tabs and beer tabs at the January meeting! Please make sure to pick one up after the conclusion of the meeting. This is another great way to help families in need of support and help them through difficult times!

Thanks again to the board members who gave up their evening to volunteer their time away from the families on Booster Night.

2017 CPD EXAM REGISTRATION OPENS JANUARY 4TH

If you are interested in earning your Certified in Plumbing Design (CPD) designation and joining the upper echelon of plumbing engineers, get ready to register for the 2017 exam, which will be held at testing sites around the world on April 6 and 7. To learn more about the CPD program and start preparing for the exam, go to www.aspe.org/cpd for additional information.

HEAT TRACING WEBINAR

Is being held January 18 at 2 p.m. EST, the presenters of our first webinar in 2017 will discuss the different types of electric heat tracing, the benefits of self-regulating heating cables, and how to design and optimize a complete electric heat trace system. This webinar awards 0.1 CEU or 1.0 PDH, and registration is now open at www.aspe.org/HTPwebinar

Continued on next page...

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<https://www.facebook.com/groups/ASPE.Chicago/>

LINKEDIN

www.linkedin.com/groups?home=&gid=2393408

PRESIDENT'S MESSAGE CONTINUED...

PEDH VOLUME 4

Will be distributed to members soon (re-written by the Chicago Chapter). To ensure that you get your copy of the latest update to the Plumbing Engineering Design Handbook, verify your membership status and mailing address online at www.aspe.org/user

ENGINEERS WEEK

Starts February 19th through the 25th. During Engineers Week, Chapter Members are encouraged to visit local schools to teach grade-, middle-, and high-schoolers about plumbing engineering. To help in this endeavor, ASPE has prepared a PowerPoint with presentation tips that Chapter Officers can download from the education section of the Chapter Officers Resource Page. Doing such presentations can help your Chapter earn points toward the Chapter Award of Merit, so start contacting local schools soon!

WHAT IS AYP? WHO CAN BE INVOLVED?

The 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.

To receive additional information on ASPE Young Professionals or to sign up to be part of the group, please contact Pam Rosenberg, ASPE Staff Liaison to ASPE Young Professionals Special Interest Group, 224-217-9016 or prosenberg@aspe.org. Please contact Emily Koussa who is our Chicago Chapter AYP Liaison. Emily can be contacted at aspe.chicago.ayp@gmail.com.

The Women of ASPE

The women of ASPE are excited to introduce ASPE's new 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

Continued on next page...

PRESIDENT'S MESSAGE CONTINUED...

Additional material can be found at www.aspe.org/aspe-mentoring-program



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Women of ASPE

ASPE Announces The Women of ASPE

The mission of the new Women of ASPE (WOA) special-interest group is to engage, retain, and advance women in the plumbing design industry through education, leadership development, and networking opportunities. It is open to women who have an active membership with the American Society of Plumbing Engineers. Some of the activities include:

- Mentoring programs
- Membership growth outreach efforts
- Fostering partnerships with industry-related associations
- Various educational offerings

To join the Women of ASPE special-interest group, email skidd@aspe.org
For more information, visit www.aspe.org/woa



Thank you,

Mark G. Mannarelli
Chicago Chapter President
ASPE.Chicago.President@gmail.com



Manufacturer Spotlight



***This month we would
like to thank:***



**International
Wastewater Systems**

Thank you for your support!



VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

January Greetings,

Welcome to another New Year.

I hope you all enjoyed last month's Casino Night. I was feeling sick that day and missed out on all of the festivities, so if anyone took any pictures, please let me know. From what I have heard, it was a pretty exciting event.

Our January Chapter Meeting will include a Manufacturer's Spotlight by Rick Lawlor with International Wastewater Systems, which will be on Heat Recovery from Wastewater and Sewage.

- IWS recently rolled out a new modular/package product that is very cost effective to apply, and is an incredibly important innovation due to the changing energy code standards.
- The new product, named "The Piranha" can be used to recover heat from sewage in order to pre-heat domestic water.
- With Illinois' adoption of IECC 2015, we are hearing from our customers that it is becoming increasingly difficult to meet the efficiency requirements dictated by the code. Take a look at section C404.2.1 of IECC 2015 that speaks to the requirement for 90% efficient hot water heaters unless 25% of the capacity is generated using site recovered energy. The Piranha would be a great way to meet this criteria in a cost effective, minimally intrusive, and efficient manner.

Our main presenter will be David DeBord with dbHMS (he is also the ASPE VP Technical), speaking on High Rise Plumbing Considerations. His presentation will be worth 0.1 CEU. Here is a brief description provided by the speaker:

- Most buildings for human habitation or occupation, require water in, waste out, some hot water, and some sort of fire protection. So what is different about high-rise structures? What are some obstacles that we need to overcome?
- We will explore some of these systems and what makes them special in terms of high-rise buildings. We only have an hour so we can only spend a few moments on each topic. Still, we can cover some basic concepts that will help you to "*be the Engineer*" and find some unique solutions. Let's call it **The High-Rise Blitz!**
- Most of you/us will learn something this evening. A few might think that this is too basic, but the smart ones will always learn something, even if they have previous experience. Maybe we will even get some audience participation and "lessons learned"! **You do not want to miss this!**

Even though you all know Dave (smile), here is his bio:

David DeBord FASPE, CPD, GPD, LEED BD+C, ARCSA®AP is Director of Plumbing and Fire Protection Engineering at the consulting firm of dbHMS, located in Chicago. He has over 40 years of experience in the Consulting Engineering industry.

He has lectured across the U.S.A. as well as abroad. He serves as Vice President, Technical of ASPE at the international level, an Adjunct Assistant Professor at Illinois Institute of Technology, and an Instructor for UCLA Extension University. He is also a member of the World Plumbing Council (WPC), International Association of Plumbing and Mechanical Officials (IAPMO), the American Solar Energy Society (ASES), American Rainwater Catchment Society Association (ARCSA), the Geothermal Heat Pump Consortium (GHPC), USGBC, World Toilet Organization (WTO), and serves on IAPMO, ICC, and ASPE National committees, as well as a variety of other industry groups.

He can be contacted at david.aspe@gmail.com

One last thing...just a reminder that our January meeting will be at Venuti's Restaurant.

Until Next Time...

April Ricketts, PE, CPD, LEED AP BD+C
Chicago Chapter Vice President Technical
ASPE.Chicago.VPTech@gmail.com
312-346-5000



VICE PRESIDENT, LEGISLATIVE

Happy New Year Chicago Chapter.

Here is last month's recap of what is going on with the Chicago Plumbing code in regards to NFSC and Hose Bibb Connections.

ASPE newsletters are an official source of information and as such, we cannot publish something that is not officially written in the City of Chicago Plumbing Code. However, thanks to the attention and quick response from Martynas Budraitis (a fellow ASPE Chicago Chapter member) we have an update on the requirements enforced by the Chicago Plumbing Plan Examiners and Inspectors.

The requirements of having an atmospheric or pressure type vacuum breaker are only for residential buildings. Per the conversation between Martynas and City of Chicago inspector Kevin Kenny, it was determined that regardless of what the code says, we must use double check valves (testable type). In addition to that Martynas called Mike Tucker as well; who is the chief plumbing inspector for the city. Mike Tucker said that double check valves are required. Moreover, Dennis Riordan (another city inspector), verified that a double check valve is needed for every hose end connection in a commercial building.

Thank you so much Martynas! Great contribution. Now we can start the year with the right information.

What do we know about fire hydrants?

To determine the minimum number of fire hydrants for fire flow, the following provisions should be followed:

- The aggregate fire flow capacity of all fire hydrants within 1000 ft (305 m) of the building cannot be less than the required fire flow. Table 18.5.4.3 below provides the maximum fire flow capacity for which a fire hydrant can be credited.

Table 18.5.4.3 Maximum Fire Hydrant Fire Flow Capacity

Distance to Building ^a		Maximum Capacity ^b	
(ft)	(m)	(gpm)	(L/min)
≤ 250	≤ 76	1500	5678
> 250 and ≤ 500	> 76 and ≤ 152	1000	3785
> 500 and ≤ 1000	> 152 and ≤ 305	750	2839

^aMeasured in accordance with 18.5.1.4 and 18.5.1.5.

^bMinimum 20 psi (139.9 kPa) residual pressure.

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VICE PRESIDENT, LEGISLATIVE CONTINUED...

Per NFPA 291: Hydrant flow colors.

Fire Hydrant Classification	Water Flow	Barrel color	Top and Nozzle Cap Colors	Minimum Pressure
Class AA	1,500 GPM or more	Chrome Yellow	Light Blue	20 PSI
Class A	1,000 - 1499 GPM	Chrome Yellow	Green	20 PSI
Class B	500 - 999 GPM	Chrome Yellow	Orange	20 PSI
Class C	500 GPM or less	Chrome Yellow	Red	20 PSI

In addition to this chart, in some jurisdictions, a ring is added to the hydrant to indicate it's size or if it is out of service.



Outside Diameter 10.5"	Outside Diameter 10.5"	Outside Diameter 10.5"	Outside Diameter 7"
Inside Diameter 7"	Inside Diameter 5.75"	Inside Diameter 4.75"	Inside Diameter 3.1"



PHOTOS FROM:



**BOOSTER NIGHT
HOLIDAY PARTY &**





VICE PRESIDENT, MEMBERSHIP

Greetings Members!

It is about the time to reissue a Chicago ASPE Contact List. **If you want to update any of your contact information**, (yes you are in charge of your info), **please see the instructions below**. I will be publishing a new list using the next monthly report provided to me from ASPE national.

I would like to introduce our newest Chicago ASPE members;

- Mr. Evan Wind of McGuire Engineers Inc.
- Mr. Robert Tazelaar, PE of Arup.

Please join me in welcoming Evan and Robert to the ASPE family!

Here's how to edit your Chicago ASPE Membership Information:

Step 1) Review your information in the screen shot of the email you got this file from. If you do not follow the two steps below, then what you see in that document is what you will find when I publish the next Chicago ASPE Membership List. Taking a look at *my* contact information in the Chicago ASPE Membership List, we found that my name and suffix is so long that it cut off my email address, (which is what you see halfway cut of in the screen shot below). I have thus decided to just use "PE" as my suffix to fix the situation, though it looks like I technically only needed to chop away 2 letters of my name or suffix... whatever.

Christopher P. Sbarbaro PE, CPD, GPD, LEED AP BD
+C
Company: Grumman Butkus Associates
Membership Type: Full
Phone: 847-328-3555
Email: csbarbaro@grummanbutkus.com

Step 2) Now that you know what you know what information you want to update, **log into your ASPE.org account**, (direct link here: <http://aspe.org/user>).

The screenshot shows a web browser window with the address bar displaying <http://aspe.org/user>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The ASPE logo, "American Society of Plumbing Engineers", is visible. A navigation bar contains links for About ASPE, Membership, Conferences & Meetings, and Industry Resources. The "My Account" section is active, displaying a dropdown menu with the following options: Join ASPE, Renew Membership, Affiliate Sponsor Program, My Account (highlighted in yellow), College of Fellows, Steele Scholarship, Tables Book Application, and Special Interest Groups. Below the dropdown, there are input fields for "Username or e-mail" and "Password", with a "Log in" button at the bottom.

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VICE PRESIDENT, MEMBERSHIP, CONTINUED...

ASPE
American Society of
Plumbing Engineers

MY ACCOUNT LOG OUT

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Sbarbaro37150

View Edit Files Messages Orders

52836 Your information will appear in the window below.

Your account data as ASPE has it:

Press edit to change your information:

Title: Plumbing & Fire Protection Eng Name Prefix: Mr. First Name: Christopher

Middle Name: P. Last Name: Sbarbaro Suffix: PE, CPD, GPD, LEED A Badge: CHRISTOPHER

Cell: 224-723-4617 Birthday M/D/YYYY: 4 / 8 / 1980 Chapter: Chicago

☐ I would like to Opt Out of receiving membership renewal reminders and society related important announcements via text messages

Organizations: ☐ ASHRAE ☐ ASME ☐ ASSE ☒ AYP ☐ IAPMO ☐ ICC ☐ MCCA ☐ NFPA ☐ NSPE ☐ PCA ☐ PHCC ☐ SFPE ☐ WTO

Primary Email: csbarbaro@grummanbutkus.com Secondary Email: cpsbarbaro@gmail.com

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Secondary: Company: Home Address Street Address: City, State Zip: Chicago IL Country: Leave Blank for US Phone:

To edit your account press the edit button: Edit Save

Click 'Edit' to edit the highlighted areas, then 'Save' when you're done. The highlighted info would be utilized in the Chicago Chapter Membership List

That's it! Thanks for your help in bettering the chapter and keeping your contact info up to date! This info will only be shared with other Chicago ASPE Members and Affiliates. Thanks for your help in making the Chicago ASPE Chapter the best!

Chris Sbarbaro, PE, GPD, CPD, LEED AP BD+C
Chicago Chapter Vice President, Membership
ASPE.Chicago.VPM@gmail.com



ADMINISTRATIVE SECRETARY

Greetings Members,

If you missed the 2016 ASPE Chicago Booster Meeting you definitely missed a great event, despite the cold arctic weather that evening there were over 80 guests that attended.

Toys for Tots was a HUGE success, the donations from all of the Chicago ASPE members coupled with Jason McDonald bringing in the Toys that were collected at G&B office exceeded our expectations of toys over last year. We had the pleasure of sharing the evening with 2 Marines that were very surprised at the amount of toys we had; one of the Marines was gracious enough to draw the tickets for the prizes.

The prize winners at Casino Night are as follows:

- 55" TV- Damon Cameron
- Sony wireless head phones, 10" Acer tablet - Mark Nasuta
- JBL charge 3 blue tooth water proof speaker- Keith Seier
- Panasonic 4K DVD player- Ken Cutler
- Bose solo 5 sound bar- Mark Mannarelli

Thank you for allowing me to be a part of your 2016 memories.

David Erickson-
Chicago Chapter Administrative Secretary
C# 312-519-5629 aspe.chicago.admsec@gmail.com

CORRESPONDING SECRETARY: INDUSTRY NEWS



Hello Chapter members.

Here's what is going on outside our world:

American Society of Sanitary Engineering (ASSE)
(http://www.asse-plumbing.org/chapters/region04_il.html)

ASSE Monthly Meeting

Date: Thursday Jan 19, 2017

Location: TBD

Details: http://www.asse-plumbing.org/chapters/region04_il.html

National Fire Protection Association (NFPA)
(www.nfpa.org)

NFPA training throughout the US:

Details: <http://www.nfpa.org/training-and-events/resources/events-calendar>

NFPA FREE Webinar:

Check website for upcoming webinars: No Current items at time of publication

Date:

Cost: Free

Details: <http://www.nfpa.org/training-and-events/by-type/webinars>

American Society of Professional Estimators (ASPE)
(<http://www.aspechicago.org/>)

ASPE Monthly Meeting

Date: 3rd Thursday of every month (January 19, 2017)

Location: TBD

Time: 5 PM Social, 6 PM Dinner, 7 PM Program

RSVP: Marvin Fitzwater, mfitz-water@ccsdifference.com

USGBC - Illinois Chapter (LEED)
(<http://www.usgbc-illinois.org/events/event-calendar/>)

Monthly Events

Emerging Professionals 2017 inter Networking Night

Date: Wednesday, January 25, 2017, 6:00 – 8:00 PM

Location: National Office Furniture Showroom, 235 N Wells Street, Suite 110

Cost: \$Free members - \$Free non-members

Details: <http://www.usgbc-illinois.org/events/event-calendar/>

Society of Fire Protection Engineers (SFPE)
(<http://www.chicagosfpe.org/>)

SFPE Chicago Monthly Meeting

Water Mist: Past, Present & Future

Date: January 19, 2017, 11:30 – 1:00 PM

Location: Haymarket Brewery Hall, 737 W Randolph St, Chicago

Cost: Members \$32, Non-Members \$35

Details: <http://www.chicagosfpe.org/event/2016-holiday-party/>

Illinois Fire Prevention Association (IFPA)
(www.ifpanet.org)

IFPA Monthly Meeting

Date: Tuesday January 10, 2017, 7 PM

Location: Glendale Lakes Golf Club, 1550 President St, Glendale Heights, IL 60139

Details: <http://www.ifpanet.org/Calendar.aspx>

Illinois Chapter of ASHRAE
(<http://www.illinoisashrae.org/>)

ASHRAE Monthly Meeting

Building Automation System Master Planning

Date: Tuesday January 10, 2017, 5:30 PM

Location: Bucca di Beppo, Lombard, IL

Details: <http://illinoisashrae.org/calendar.php>

Refrigeration Service Engineer's Society (RSES)
(www.rses.net)

RSES Monthly Meeting

Date: Tuesday February 14, 2017

Location: Call for time & location

Contact: 1-800-8970-3635

Details: <http://rses.net/>

CORRESPONDING SECRETARY: INDUSTRY NEWS CONTINUED...

**** {UPDATE} ***** {UPDATE} *****
{UPDATE} *****

**PAMCANI – UPDATE PAMCAMI IS NOW RUN BY
*****THE PLUMBING COUNCIL & PCA*******

(<http://www.plumbingcouncil.org/>)

The Plumbing Council is continuing the industry-wide calendar listing events throughout the year that can be found here:

<http://www.plumbingcouncil.org/documents-plumbing-council-contractors/piping-industry-calendar>

Or Check out their YouTube Channel <https://www.youtube.com/channel/UCuR7aTRkGBCOP74Y5GV3BcA>

PCA (Plumbing Contractors Association of Chicago and Cook County)

PCA Monthly Meeting

Date: January 10, 2017, 6 PM

Location: Maggiano's Restaurant, Oak Brook, IL

Details: <http://www.plumbingcouncil.org/pca>

Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC)

(www.ilphcc.com)

Continuing Education Class

Dates: Friday January 13, 2017, 1-5 PM

Location: Heartland College, Main Campus, 1500 W Raab Rd, Normal, IL 61761

Cost: \$50

Details: <http://www.ilphcc.com/continuing-education>

National Rural Water Association (NRWA) – Illinois Rural Water Association (IRWA)

(<http://www.nrwa.org/>) (<http://www.ilrwa.org/>)

IRWA Monthly Water Training Sessions (Chemical Feed Systems / Chemical Storage Tanks)

Date: January 17, 2017

Location: Pekin, IL

Cost: Members \$FREE, Non-members \$FREE

Details: <http://www.ilrwa.org/Training/watertraining.html>

American Water Works Association (AWWA) – Illinois Section

(www.awwa.org) – (<http://www.isawwa.org/>)

Multiple Items Listed on Event Calendar

Dates: January, 2017

Location: Varies

Details: http://www.isawwa.org/events/event_list.asp

Wisconsin Healthcare Engineering Association (WHEA)

(<http://www.whea.com/>)

Sign up now for their annual “lunch & learn” webinars service (12 per year)

Dates: Monthly, 2017

Details: <http://www.whea.com/about-us/calendar/>

Newsletter: <http://www.whea.com/media/118555/3rd-quarter-newsletter.pdf>

Monthly Meeting

Dates: January 12, 2017

Details: <http://www.whea.com/about-us/calendar/>

**** {NEW} ***** {NEW} ***** {NEW} *****

Water Environment Federation (WEF) Illinois Chapter

(<http://www.iweasite.org/>)

Illinois Water Environment Association – Monthly Event

Government Affairs Conference

Dates: January 20, 2017

Location: Marriott Burr Ridge, IL

Details: <http://www.memberleap.com/Calendar/moreinfo.php?eventid=2179>

Just a little follow up note. If you know of any association that you feel would be a benefit for ASPE members that I am not including here please let me know.

Scott Jagodzinski, CPD

Chicago Chapter Corresponding Secretary

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