Chicago ASPENews
Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 49, No. 6
January 2018

Chicago Chapter General Meeting
Thursday January 18, 2018

Venuti’s Ristorante
And Banquets
2251 W. Lake Street
Addison, IL 60101

Plenty of free parking!

AGENDA
5:30pm Cocktail Hour sponsored by:

6:30pm Dinner, ($35 for ASPE Members $40 Non-Members). RSVPs must be received by 6:00 PM on Monday, January 15th (RSVPs received after this time will be charged a $5 late fee).

7:30pm Presentation: Digital Mixing Valves by Todd McCurdy of Watts Water Technologies/ Powers Controls (0.1 CEUs Available!)

RSVP by 6:00 PM on Monday, January 15th to Chris Sbarbaro, VP Technical to avoid being charged a $5 late fee!!

◊ Call: 847-316-9220
◊ Email: Chicago.ASPE.RSVP@gmail.com
◊ Go to Chicago.aspe.org and RSVP!

MENU
Starters
• Tomato Basil

Entrées:
• Chicken Breast
• London Broil
• Vegetable

Dessert:
• Chocolate Mousse

Drinks:
• Soft Drinks, Coffee and Tea

Local chapters are not authorized to speak for the Society
# 2017-2018 Preliminary ASPE Chicago Meeting Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Technical Presentation &amp; Manufacturer Spotlight</th>
<th>CEU</th>
<th>Location</th>
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</table>
| September 21, 2017 | ASPE Chicago Product Show  
(See next page for a list of Technical Seminars)                                                                 |     | Plumbers Local 130 Union Hall  
1400 W. Washington Blvd.  
Chicago, IL 60607                                      |
| October 19—22, 2017 | ASPE National Technical Symposium  
Montréal, Québec                                                                                              |     | Hotel Bonaventure Montréal  
900 Rue de la Gauchetière O,  
Montréal, QC H5A 1E4, Canada                             |
| October 19, 2017 | Presentation Topic: Heat Exchanger Sizing  
Speaker: Mark Kaulas of Bornquist  
Mfr Spotlight: TBD                                                                                          | 0.1 | La Villa Restaurant  
3632 N Pulaski Rd  
Chicago, IL                                                  |
Speaker: Chris Soderholm of Water Control Corporation  
Mfr Spotlight: Aerco Water Heater Sizing and Piping  
Speaker: Mark Kaulas & Chris Wisinski with Bornquist Inc.                                               | 0.1 | The Berghoff (New Venue Location!)  
17 W Adams St  
Chicago, IL 60603                                         |
| December 14, 2017 | Booster Night Holiday Party & Casino Night                                                                     |     | La Villa Restaurant  
3632 N Pulaski Rd  
Chicago, IL                                                  |
| January 18, 2018 | Presentation Topic: Digital Mixing Valves  
Speaker: Todd McCurdy of Watts Water Technologies/  
Powers Controls  
Mfr Spotlight: TBD  
Speaker: TBD                                                   | 0.1 | Venuti’s  
2251 W. Lake Street  
Addison, IL                                                    |
| February 15, 2018 | Presentation Topic: Siphonic Roof Drains  
Speaker: Jay Stenklyft of MiFab  
Mfr Spotlight: NIBCO Press  
Speaker: Aaron Kilburg of NIBCO                               | 0.1 | Westwood Tavern & Tap  
1385 N. Meacham Rd  
Schaumburg, IL                                               |
| March 15, 2018  | Presentation Topic: Codes and Standards Development, a Peek Behind the Curtain  
Speaker: Curtis Dady of Viega  
Mfr Spotlight: Thermal Balancing Valves for DHW Recirculation from Caleffi  
Speaker: Josh Stetler with Lyall, Thresher & Associates     | 0.1 | La Villa Restaurant  
3632 N Pulaski Rd  
Chicago, IL                                                  |
| April 19, 2018  | Presentation Topic: Introduction to CPVC Piping Systems  
Speaker: John Pritchard with Lubrizol  
Mfr Spotlight: FlowGuard Gold & Corzan CPVC Piping Systems  
Speaker: John Pritchard with Lubrizol                         | 0.1 | Venuti’s  
2251 W. Lake Street  
Addison, IL                                                    |
| May 17, 2018   | Presentation Topic: Water Quality in High Efficiency Heating Equipment  
Speaker: Lochinvar  
Mfr Spotlight: Water Heating Products  
Speaker: Lochinvar                                             | 0.1 | Club Casa (at Golf Center)  
[New Venue Location!]  
353 N. River Rd  
Des Plaines, IL                                               |
| June 15, 2018  | Annual Golf Outing                                                                                            |     | Hilldale Golf Club  
1625 Ardwick Drive  
Hoffman Estates                                                |

If you would like to present any of these topics or become a meeting sponsor, please contact Chris Sbarbaro at aspe.chicago.vptech@gmail.com.
January Greetings!

Hopefully you all had a wonderful holiday season and enjoyed the snowy winter wonderland before the temperatures decided to dip to the negatives. Fortunately, I took off a few days after the holiday so that I could relax a bit before having to shovel the driveway.

Thanks to everyone who turned up for the Chicago Chapter’s Annual Booster Night event last month. We had a great turnout and some neat prizes for those who tried their luck at the casino games. I’d like to give a special thanks to all the manufacturer firms who contributed to this year’s booster night event. We collected more than previous years, which allowed us to last-minute drop the price for both members and non-members…it was a Festivus miracle (smile).

Thanks to Staff Sergeant Turner and Lance Corporal Sanders of the US Marine Corps who were able to join us. Over the past couple months, the Chapter’s membership had donated a bunch of toys, which were presented to the Marines to give to many boys and girls throughout the Chicagoland area. Oorah!

Moving forward…

We’ve got another fantastic Chapter meeting for you this month on digital mixing valves (look at this month’s newsletter for additional info). You’ve probably noticed at the last meetings that Chris Sbarbaro was recording the main presentation and posting it online for members only. If you are a member and would like to have access to these video recordings, contact Chris for the password info. If you are not a member, please consider joining the Chapter so that you can partake in this benefit.

I wanted to remind those of you who are interested in taking a basic plumbing design course that ASPE is offering theirs later this month:

You still have time to sign up for our two-day workshop in Chicago
Space is extremely limited for our Basic Plumbing Design workshop being held January 25-26 at our headquarters near Chicago’s O’Hare Airport, which will cover design strategies for storm drainage, natural gas, domestic cold and hot water, and sanitary sewer systems. More information and registration are available at aspe.org/BasicsWorkshop.

Additionally, the ASHRAE Winter Conference and Expo is in Chicago later this month. While it is primarily geared towards HVAC designers, they always seem to have sessions and vendors with things of interest for the plumbing folks.

Lastly…be sure to check out our January Chapter meeting at Venuti’s Restaurant…and have a Happy New Year!

Until Next Time…

April Ricketts, PE, CPD, LEED AP BD+C
Chicago Chapter President
aspe.chicago.president@gmail.com
312-346-5000
ASPE Chicago would like to thank everyone who attended Booster / Casino night this year! The event was well attended. A very special thanks to our sponsors who made it possible and a big Congratulations! to our winners!

55” 4K UHD Smart TV – Justin Wrobleswki
Samsung Sound Bar – Sean Allard
Samsung Galaxy Tablet – Ivan Salazar
GoPro Hero 5 – Yin Lung
Nest Thermostat 3rd Generation – Chun Keung Wong
Apple Watch – Jim McGoon
Bose Wireless Headphones – U.S. Marine Lance Corporal
Sanders & Staff Sergeant Turner
Bose Bluetooth Speaker – Lindsey Lehman

Once again, congrats to all and THANKS for Attending!
2017 BOOSTER CASINO NIGHT WAS A GREAT SUCCESS AND WE COULDN'T HAVE DONE IT WITHOUT THE GENEROSITY OF OUR SPONSORS!

Thank you to our Platinum sponsor

NEW AGE CASTING / SUN DRAINAGE

Thank you to our Game Sponsors

BORNQUIST INC.
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LOCHINVAR
MECHANICAL EQUIPMENT INC.
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Thank you to our General sponsors:

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NEW AGE CASTING / SUN DRAINAGE
MOEN
RC SALES
SJE RHOMBUS
SPEAKMAN
STANCOR PUMPS
SYMMONS
THERMAL APPLICATIONS GROUP
Happy New Year! I trust everyone enjoyed the “mild” weather we’ve had over the holidays.

Thanks for everyone who made it out to our Booster Night last month. Special thanks to our VP Affiliate Darren Rich for rounding up everything for that event. I had a blast chatting it up with everyone.

January Tech Presentation Info:

Title of presentation: Digital Mixing Valves

Description of content: The presentation will serve as a basic introduction to the differences between the digital and mechanical mixing system. It will explain critical features and benefits of the digital mixing system and how it fits into a hot water delivery system.

Digital water mixing solutions can provide several advantages, including:

- Precise temperature control
- Self-balancing
- Integration with BAS
- Efficient use of energy
- Programmable Sanitization mode for thermal eradication of bacteria

Bio: Todd McCurdy is currently the East Division Business Development Manager – Tempering for Watts Water Technologies/Powers Controls (a division of WWT).

Todd began his career as a New Product Development/R&D Engineer with Parker Hannifin Corporation. After 7 years at Parker, he moved to Pittsburgh and joined Dormont Manufacturing Company as a Product Engineer. Following several years of increasing responsibility, including two product patents, in 2007 he began his sales career as a Sales Engineer for Dormont’s OEM Business Unit. In 2012, he was promoted to Regional Sales Manager – North Central focusing on Wholesale management. To take advantage of growing new technical product developments and his engineering background, Todd was asked to take responsibility for Business Development of the Tempering category for the East Region, which continues.

Todd is a graduate of University of Cincinnati with a Bachelor of Science Degree in Mechanical Engineering Technology

Previous Presentation Recordings Available:

Nobody has yet to check out my video recording abilities! If you are interested in obtaining access to recordings of this fall’s past Technical Presentation please email me and I will provide you a password, so long as you are an active member.

Stay warm out there!

Chris Sbarbaro, PE, GPD, CPD, LEED AP BD+C
Chicago Chapter Vice President, Technical
aspe.chicago.vptech@gmail.com
Wow! What a start to the New Year! Bitter cold, cutting winds and we are awash with snow.

This time of year there are many things that will come about to be aware of when looking at your designs. In this bitter cold we are reminded of how crucial our designs are for keeping systems running and not damaging the spaces due to a pipe bursting or freezing over.

I spent the Christmas Holiday visiting my family in Ohio. One of the funny things you see in smaller cities are the local commercials and little things that you just take for granted in big cities. You get less people for one. But most things are just on a smaller scale overall. One thing that I saw on the news was due to the cold weather dropping. The news reminded people that have fixtures on an exterior wall to open up their cabinets to allow air flow to help prevent freezing. It is just a small thing but can be a big deal.

Locally we have a new code update for Chicago. In October of 2017 an updated Code Memo was sent out to approve the use of CPVC in the city of Chicago. This update, while restrictive, is a nice step for the city. Below are the following limitations for this code change.

Section 18-29-105 of the Municipal Code authorizes the Building Commissioner to permit the use of alternative materials, methods, and equipment for plumbing applications either when those materials are equivalent to those called for in Chapter 18-29 or when the strict requirements of Chapter 18-29 cause practical difficulties and the alternative proposal will conform to the intent and purpose of Chapter 18-29. The purpose of Chapter 18-29 is to establish minimum standards to protect safety, health, property, and public welfare. In order to evaluate the performance and relative cost of commonly-available plumbing materials in applications not currently authorized by Chapter 18-29 of the Municipal Code, but allowed by the Illinois Plumbing Code, I am announcing a pilot program to accept and review requests for approval of alternative plumbing materials meeting the following requirements:

A. Eligible Projects:

The following projects are eligible to participate in the pilot program:

1. New Construction of buildings exclusively residential occupancy, not more than four stories in height; or,
2. Any work in an existing building (constructed prior to 2010) of any occupancy, and not more than four stories in height, including additions to such buildings.¹

¹ Other existing buildings up to 80 feet in height, especially designated Chicago Landmarks, may be deemed eligible for participation in the pilot program after an in-person meeting with the Building Commissioner and demonstration of compelling benefits.

B. Water Distribution Pipe and Pipe Fittings

1. Instead of material allowed by Section 18-29-605 for water distribution pipe and fittings, the applicant will propose Chlorinated Polyvinyl Chloride (CPVC) pipe in appropriate fittings authorized for such use by the Illinois Plumbing Code, 77 Ill. Admin. Code 890;
2. The work will occur as a part of an eligible project;
3. The applicant will submit to the Department both (a) a price proposal from a licensed plumbing contractor to install materials permitted by Section 18-29-605, and (b) a price proposal from the same plumbing contractor to install the CPVC pipe and appropriate fittings in substantially the same configuration;
4. The applicant will identify in the request any practical difficulties that will be alleviated by permitting use of the proposed alternative material;
5. The applicant will pay the alternative code approval review fee of $150.00;
B. Water Distribution Pipe and Pipe Fittings, Continued...

6. The applicant will submit, with the request, a statement from the selected plumbing, architect, contractor or engineer of record evaluating the relative quality, strength, effectiveness, durability, and safety of the materials to be used in each proposal. (Plumbing contractors applicants may complete the yes/no questions on the application form. All others must submit a separate signed letter.)

C. Drainage and Vent Pipe and Pipe Fittings

1. Instead of material allowed by Section 18-29-702 for water distribution pipe and fittings, the applicant will propose Chlorinated Polyvinyl Chloride (CPVC) pipe in appropriate fittings authorized for such use by the Illinois Plumbing Code, 77 Ill. Admin. Code 890;
2. The work will occur as a part of an eligible project;
3. The applicant will submit to the Department both (a) a price proposal from a licensed plumbing contractor to install materials permitted by Section 18-29-702, and (b) a price proposal from the same plumbing contractor to install the CPVC pipe and appropriate fittings in substantially the same configuration;
4. The applicant will identify in the request any practical difficulties that will be alleviated by permitting use of the proposed alternative material;
5. The applicant will pay the alternative code approval review fee of $150.00;
6. The applicant will submit, with the request, a statement from the selected plumbing, architect, contractor or engineer of record evaluating the relative quality, strength, effectiveness, durability, and safety of the materials to be used in each proposal. (Plumbing contractors applicants may complete the yes/no questions on the application form. All others must submit a separate signed letter.)

Note: Approval for alternative underground drainage and vent piping and pipe fitting materials under this pilot program is limited to the building drain (house drain) (within 5 feet of the building foundation per 18-29-201). The building sewer (house sewer) is under the jurisdiction of the Department of Water Management and must be of a material listed in Table 18-29-702.3.

D. Combustible Pipe – Protection of Penetration in Fire Rated Floors and Walls

When combustible pipe material is authorized under this pilot program, all penetrations through fire-rated floors or walls must be protected in accordance with Section 714 of the 2015 edition of the International Building Code in addition to the requirements of Chapter 15-8. In such cases, details of the protection required at such penetrations must be included in the permit drawings.

E. Inspections

All plumbing work performed pursuant to this pilot program must pass an in-person rough inspection by a City plumbing inspector. All alternative materials must be installed in strict conformance with the approved plans, manufacturer’s requirements, and Illinois Plumbing Code.

F. Requests

This pilot program will accept requests from October 11, 2017, through March 31, 2018.

Requests for water distribution pipe and drainage and vent pipe must be submitted separately.

Requests ust be submitted on official pilot program request forms, which are available on the Department’s website at www.cityofchicago.org/buildings.

Before submitting a request, the applicant must pay a $150.00 alternative code approval fee to the Department of Finance using an official payment form. A copy of the receipt must be attached to the request.

Requests may be submitted in person at the front desk on the 9th floor at City Hall or by email to altcodeapproval@cityofchicago.org.  

Continued on next page...
Requests to approve plumbing work which was previously installed without a permit or contrary to a permit will be denied.

Each request will be evaluated by the Department to determine if permitting the alternative material will either alleviate a practical difficulty, provide a result equivalent to the requirements of 18-29, or both.

Applicant should allow 10 business days for review. Decisions will be emailed to the applicant.

The applicant must then obtain permit for the plumbing work, and attach a copy of the approved request form to the permit application or permit applicant drawings.

If the work has already been permitted (but not yet performed), the applicant must obtain a revision to the existing permit at the easy permit counter on the 9th floor at City Hall. Revisions to change plumbing materials as approved through this pilot program are subject to a $75.00 fee.

Questions about the program may be directed to dobinfo@cityofchicago.org

Please reach out to me if you have any code questions, code updates, or you are looking for any interpretations and I will try and include pertinent information in future newsletters. We here at ASPE are here to provide our chapter members our services if we can.

Scott Jagodzinski, GPD, CPD – VP Legislative
ASPE.Chicago.VPL@gmail.com

Greetings Members,

I hope you were able to attend and enjoyed Booster Night. We’ve gotten some positive feedback and would like to keep the momentum running into the new year. Thanks to all the members that attended and also those who brought along colleagues. Please try to bring them next month to our meeting at Venuti’s in Addison.

Thank you so much for those of you who helped with our donations to Toys For Tots. The donation table was astounding! As we bring in the New Year, I hope you can reflect on 2017 as a positive year, and begin 2018 on the same note. We are in a growing city and hopefully have the fortune of a successful career. We have a lot more than many other people. Please keep that in mind as we start the new year on a positive tone.

As always, please promote ASPE around your office and to your colleagues. Please contact us if you’d like to put any ASPE literature on your presentations or if you see opportunities around schools or communities to promote ASPE and assist the community as a whole.

I’d like to thank Jeff Stevens & Kristopher Magle for joining as new members. Welcome to ASPE!!!

Thank you,

Chris Wisinski
Chicago Chapter Vice President, Membership
ASPE.Chicago.VPM@gmail.com
CHICAGO ASPE BOOSTER NIGHT
HOLIDAY PARTY PHOTOS!!

Visit the Chicago ASPE Website for additional photos from our Holiday Party!!
Greetings Members,

If you missed the December General Meeting AKA; Casino Night......it was a great time by all, over 75 people. The food, the venue, and the Chicago members were able to come together and enjoy an evening together.

The winners of the prizes are as follows;

- Sean Allard—Samsung HWM-450 Sound Bar
- Justin Wroblewski—Vizio 55” UHD 4K Smart TV
- Ivan Salazar—Samsung Galaxy Tab A 10.1” 16GB With Bonus 32 GB Micro SD Card
- Yin Lung—Go Pro Camera
- Chun Keung Wong—Nest
- Jim McGoon—Apple Watch (Series 1)
- Lindsey Lehman—Bose wireless blue tooth speaker
- Marine Lance Corporal Sanders—Head phones

The real winners are the children that will be able to enjoy all of the toys that were brought in by you the members.

A special thanks to Marine Lance Corporal Sanders and Staff Sergeant Turner for coming out and discovering what a great group of people that are willing to give at a critical time of the year when hope and love are truly needed.

I trust everyone had a fantastic Holiday with family and friends and I look forward to seeing you all at the next meeting.

Thank you,

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

Greetings and Happy New Year to Everyone!

I hope that everyone had a fantastic holiday season and was able to spend some down time with their families and has been able bear the cold temperatures!!! (Hopefully by the time you are reading this, it has warmed up a bit!)

I would like to Thank all the Engineers who attended Booster night and thank all the Reps / Manufacturers for the many sponsorships making the event the success it was!

We were able to increase the amount of Prizes & lower the price of Dinner! Nice Job and again, a HUGE Thanks!!!

Congrats to all the Winners!!:

- 55” 4K UHD Smart TV – Justin Wroblewski
- Samsung Sound Bar – Sean Allard
- Samsung Galaxy Tablet – Ivan Salazar
- GoPro Hero 5 – Yin Lung
- Nest Thermostat 3rd Generation – Chun Keung Wong
- Apple Watch – Jim McGoon
- Bose Wireless Headphones – U.S. Marine Lance Corporal Sanders & Staff Sergeant Turner
- Bose Bluetooth Speaker – Lindsey Lehman

I do have a few questions and hopefully will get some feedback:

Continued on next page...
VICE PRESIDENT, AFFILIATE CONTINUED...

Sponsors:
1. Were you satisfied with the opportunities you had to sponsor the event?
2. If you did sponsor the event, were you happy with how your company name was displayed?
3. Is there anything that you would like to see done differently?
4. Is Casino Night something that we should continue with for at least another year? Or do you have any suggestions for other ideas?

Engineers:
1. Are you still enjoying Casino Night or would you like to see something different next year?
2. What do you think about the quality of the prizes? Would you like to see fewer prizes that have higher value? Or a mix like there was this year?
3. Are you paying attention to the sponsorship signs and aware of the Reps / Manufacturers that make this evening a success?

We will be aiming to make Next years event even better than this year!

ASPE Chicago Newsletter AD Space:

We are again looking for Advertisers to advertise in our monthly newsletter. Please let me know if you would like to advertise! The Layout can change from month to month as the goal is to fill up 1 two-sided page. If you are interested in a full page, half page, quarter page…. We can make that happen! Please contact me to discuss Advertising rates!

Please remember that I am your voice to ASPE, if you have anything you would like brought up to the board, please let me know. I am more than happy to bring your concerns, questions, comments in front of the board at a monthly meeting or reach out if it needs to be addressed sooner.

I Look forward to seeing you all and wish everyone a Happy and Successful 2018!! See you on the 18th at Venuti’s!

Thank You,

Darren Rich
Chicago Chapter Vice President, Affiliate
Ph 847.875.8659 aspe.chicago.vpaff@gmail.com

AYP LIAISON / PRODUCT SHOW CHAIRMAN

Happy Holidays!

I hope everyone had a wonderful Christmas and was able to spend that time with family and friends. The Chicago Chapters Annual Booster night was a big success with all the generous donations and attendance! Thanks to all the manufacturer firms that made it possible and a big thanks to Darren, FTI Sales, for orchestrating the event. I am still in the planning stages with Travis from Nibco to get the next AYP event on the books. I will be sending out an email once we iron out all the details. Please feel free to contact me with any idea for future events.

I look forward to seeing you all at the January meeting!

Justin Wroblewski, CPDT
Chicago Chapter AYP Liaison / Product Show Chairman
aspe.chicago.ayp@gmail.com / aspe.chicago.pschairman@gmail.com / Jwroblewski@ams-pmt.com
ORDER YOUR ASPE CHICAGO BADGE!

Are you tired of being the only one at the meeting without a fancy ASPE Chicago name badge? Do you want to update your badge so it has your new name or company?

The Chicago Chapter is proud to offer once again our badge promotion!

Costs:
- Badges: $15
- Shipping (optional): $5

Make checks payable to "ASPE Chicago Chapter" and either drop off your check at one of the Chapter Meetings or mail it to:

ASPE Chicago Chapter
c/o Mark Mannarelli/Syska Hennessy Group
330 N. Wabash Ave, Ste. 1505
Chicago, IL 60611

Name and Company will be printed on the badge as listed below - if you leave blanks or list other names, they WILL be printed on the badge. If you would like your badge mailed to you, please include this information. You can mail or email this form. Badge order will not be processed until payment is received. Send emails to mannarelligm@gmail.com

Please indicate your preferences:

Name: ________________________________________________
Company: ____________________________________________

Fastener style (please circle one):

- Clip
- Magnet

This promotion is for ASPE Chicago members only!
Happy New Year Chicago Chapter! I hope Santa was generous to your families, and the holiday cookies were plentiful at each of your houses. 2018 is off to a bang, and the events around our area are no exception. This month’s 50/50 raffle will go to benefit “Mercy of Well”, an organization created to help single mothers in need understand their purpose in life and enable them to take great strides towards successful life changes.

Please see the list below of activities around the area that may be of value in the coming months:

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

**ASSE Monthly Chicago Meeting**

**Date:** Jan 9th  
**Time:** 10:30AM – 2:00PM  
**Location:** Cucina Biagio: 7309 W. Lawrence Ave, Hardwood Heights, IL


**ASHRAE Winter Meeting After Party**

**Date:** Jan 20th  
**Time:** 9:00PM – 12:00AM  
**Location:** Emerald Loop: 216 N Wabash Ave, Chicago, IL 60601  
**Cost:** $30  
**Details:** ([https://illinoisashrae.starchapter.com/meet-reg1.php?id=144](https://illinoisashrae.starchapter.com/meet-reg1.php?id=144))

**ASHRAE Annual Winter Conference**

**Date:** Jan 20th – Jan 24th  
**Location:** Palmer House Hilton: 17 E Monroe St, Chicago, IL 60603  
**Details:** ([https://www.ashrae.org/membership--conferences/conferences/2018-ashrae-winter-conference](https://www.ashrae.org/membership--conferences/conferences/2018-ashrae-winter-conference))

**PCA (Plumbing Contractors Association of Chicago and Cook County)** ([https://plumbingcouncil.org/pca](https://plumbingcouncil.org/pca))

**PCA Monthly Meeting w/ 2 Hours C.E. Credit**

**Date:** Jan 9th  
**Time:** 6:00PM – 8:30PM  
**Location:** Maggiano’s: 240 Oakbrook Center, Oak Brook, IL 60523  
**Cost:** $50  
**Details:** ([https://plumbingcouncil.org/meeting-notices/pca-contractor-inspector-night-1-9-18](https://plumbingcouncil.org/meeting-notices/pca-contractor-inspector-night-1-9-18))

**PCA Winter Social**

**Date:** Jan 26th  
**Time:** 5:30PM  
**Location:** Brookfield Zoo: 8400 W 31st St, Brookfield, IL 60513  
**Details:** ([https://www.calendarwiz.com/calendars/popup.php?op=view&id=106379254&crd=pic](https://www.calendarwiz.com/calendars/popup.php?op=view&id=106379254&crd=pic))

**Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC)** ([www.ilphcc.com](http://www.ilphcc.com))

**Continuing Education Class**

**Dates:** Jan 12th  
**Times:** 1:00PM – 5:00PM  
**Location:** Heartland College: 1500 W Raab Rd, Normal, IL 61761  
**Cost:** $50  
**Details:** ([http://www.ilphcc.com/assets/2017%20202018%20continuing%20education%20flyer.pdf](http://www.ilphcc.com/assets/2017%20202018%20continuing%20education%20flyer.pdf))

**National Fire Protection Association (NFPA)** ([www.nfpa.org](http://www.nfpa.org))

**Training Programs – 21 CEU Hours**

**Dates:** Jan 10-12th  
**Times:** All Day  
**Location:** Toronto, Canada  
**Cost:** $599  

**Continuing Education Class**

**Dates:** Jan 29-31st  
**Times:** All Day  
**Location:** Cranston, RI  
**Cost:** $1,490  


**Emerging Professionals 2018 Winter Networking Night**

**Date:** Jan 23rd  
**Time:** 5:30PM – 8:00PM  
**Location:** National Office Furniture Showroom: 325 North Wells Street, Suite 110, Chicago, IL 60654  
**Cost:** $10  
**Details:** ([https://illinoisgreen.wildapricot.org/widget/event-2696358](https://illinoisgreen.wildapricot.org/widget/event-2696358))
CORRESPONDING SECRETARY: INDUSTRY NEWS CONTINUED...

If there are any other organizations that you would like to stay current on, please send me an email and they will be added to the list for our next newsletter. Have a great month!

Brennan Doherty, MIFAB Inc.
Chicago Chapter Corresponding Secretary
aspe.chicago.cspsec@gmail.com