

## NOV. MEETING AGENDA

**DATE:**

**TUESDAY, NOV. 12, 2019**

**WHERE:**

**Plumbing Industry Training Center**  
(map on back page)

**4:30 PM - 5:30 PM - PROGRAM**

***Venting - Part 2***

**Presenters:**

Mike Melaragni  
Paul Baker

**5:30 - 6:00 PM - DINNER**

Dinner, News & Announcements, Table Top  
Vendor Product Presentations and Displays

**6:00 - 8:00 PM - PROGRAM**

***Venting - Part 2 (continued)***

**REGISTRATION REQUIRED**

Registration link here <https://www.eventbrite.com/e/aspe-emc-november-2019-technical-program-tickets-76778872675>

SEE INSIDE COVER FOR TABLE OF CONTENTS

**Cost: ASPE, ASSE, MBPA Mbrs: NC**

**Non-members: \$20.00 FOR CLASS**

## From Theresa Card, P.E., CPD, LEED AP BD+C, GGP, President of ASPE EMC



Hello from your EMC President-

October's meeting was a great success and Norm Hall delivered another great lesson on domestic hot water recirculation systems. A big thank you to our tabletop sponsors, without whom we wouldn't be able to have free meetings for members: **Balfrey & Johnston, RL Deppmann, Diversified Spec Sales, New Century Sales/Meek Beck and Lochinvar!** Support those that support the Chapter!

Speaking of Balfrey & Johnston – we want to send a heartfelt CONGRATULATIONS on their 60th Anniversary! That is a huge accomplishment and they have been such an integral part of our ASPE Chapter and plumbing community. I hope you were able to attend one of their Anniversary parties to help them celebrate.

ASPE is starting a **Legionella working group** and they are looking for help! This group will be looking at trying to cut through all the different codes and standards and bring our members a comprehensive guide on what we should be doing to protect our buildings' occupants. If you are interested, please reach out to Keith Bush, our Region 2 Director at [kdbush356@gmail.com](mailto:kdbush356@gmail.com).

CEUs, CEUs, CEUs. So there is some important information you need to know about the new CEU process we have. We are now using a new process to issue CEUs for our meetings. Instead of getting a certificate emailed to you from our VPE, your CEUs will only be available online at your [education.aspe.org](http://education.aspe.org) account. They should be uploaded about 2 weeks after the Chapter meetings. If at any time you don't see your CEU appear, please contact a board member. I hope you enjoy this new process as it makes things on our end much more streamlined.

**Important Reminders/Announcements:**

- **Just announced: free webinar for ASPE members is being held on November 7**

The one-hour webinar Miami-Dade – the Future of FOG Control at 2 p.m. EST will dive into the requirements and regulations of one of the most progressive, stringent, and comprehensive FOG ordinances to date: Miami-Dade County's FOG 2.0. This webinar awards 0.1 CEU, and thanks to IPEX it is free for ASPE members. You can learn more and register [here](#).

*Continued on page 2*

## Contents

President's Report .....	1
Program .....	3
In The Know .....	4
VP Technical Report .....	6
Affiliate Liaison Report .....	7
AYP Liaison Report .....	8
Oct. Meeting Sponsors + Attendees...	15
October Photos .....	16 - 19
Line Card Sponsors .....	27 - 28

### ASPE EMC BOARD MEETING

Tuesday, November 5, 2019 4:30 - 6:00 PM in Berkley, MI

### FREE WEBINAR FOR ASPE MEMBERS

Thursday, November 7, 2019 @ 2:00 PM ASPE National will provide a one hour webinar: Miami-Dade – the Future of FOG Control. You can learn more and register [here](#).

### ASPE EMC PROGRAM

Tuesday, November 12, 2019 in Troy, MI - see page 3.

### CPD AND CPDT EXAM AND REGISTRATION

See pg. 9 for scheduling dates.

### ASPE Is ACCEPTING APPLICATIONS FOR THE ALFRED STEELE SCHOLARSHIP

Contact Stacey Kidd for more information at (847) 296-0002, or email [skidd@aspe.org](mailto:skidd@aspe.org)

## President's Report (cont. from page 1)

Theresa Card, P.E., CPD, LEED AP BD+C, GGP

- **CPD and CPDT Candidates!** We will again be having our 50/50 raffles during our meetings this year. Proceeds going to a scholarship fund for those looking to take the CPD/CPDT exam that would like to attend a national study session/need financial help with study resources. ASPE has also just announced the locations and dates for the 2 review classes taking place:
  - o Phoenix on February 8-9
  - o Atlanta on February 22-23
- **ASPE EMC Jobs Program!** If you are a company looking to hire a new employee or an engineering looking for the next stage in your career – simply email [jobs.aspe.emc@gmail.com](mailto:jobs.aspe.emc@gmail.com) and we will (1) post Company's job openings in our Newsletter and (2) confidentially connect job seekers with companies looking. All information sent to [jobs.aspe.emc@gmail.com](mailto:jobs.aspe.emc@gmail.com) is completely confidential and you will be asked for confirmation before your resume is passed on to any company. We hope this added benefit will help all involved.
- **ASPE EMC's 45th Anniversary!** Our local Chapter's 45th anniversary will be next year and YOU TOO CAN HELP! If you have old pictures or information from your time in the Chapter, please email me! I appreciate your help in trying to put together a great booklet for next year.
- **Alfred Steele Scholarship:** If you know a plumbing or Architectural Engineering student – the Alfred Steele Scholarship is a great way to get some extra cash for school: <https://aspe.org/SteeleScholarship>. It is open to all ASPE members and their immediate families. Student memberships are only \$30 – and if even that scares you, again, reach out to Kristin and let's talk. Finding sponsorships to cover student memberships is something we are very willing to do!

See you all on November 12th!

Cheers,

Theresa Card, PE, CPD, GPD

[allethe@gmail.com](mailto:allethe@gmail.com)

**LATEST NEW MEMBER(S)**  
**~ WELCOME ~**

**ALEXTIA ARMSTRONG**  
**GAYATRI LEKSHMINARAYANAN**  
**ROB DUNN**  
**PIERCE SADLIER**

# GREEN PLUMBING DESIGN

The Green Plumbing Design (GPD) certificate program is for engineers and designers with advanced skills in sustainable plumbing system design and consulting. Available only for engineers and designers who hold either the Certified in Plumbing Design (CPD) certification or a Professional Engineer (PE) license, the GPD certificate denotes professionals with a high level of experience and training in sustainable practices. The GPD designation signifies professionals who are dedicated to ensuring the efficient use of our precious water resources via water-conserving plumbing system designs for commercial and residential applications.

**Find out more:**

<https://www.aspe.org/GPD>

## **NOVEMBER PROGRAM**

### **TOPIC: Venting - Part 2**

This Program will address all aspects of the Michigan Plumbing Code Chapter 9: Venting and related areas of Chapter 7: Drainage, Chapter 8: Indirect Waste, Chapter 10: Traps & Interceptors and the Michigan Part 7 Rules; Focusing on interpretation, practical application and sizing.



*Michael Melaragni*

**Michael Melaragni, CPD** – Has numerous years of experience in the industry. He is a certified instructor of journey workers and apprentices and a certified training coordinator with the United Association of Plumbers and Pipefitters, a licensed Master Plumber with the State of Michigan and is the former Director of Training for Plumbers Local 98 Apprenticeship program.



*Paul Baker*

**Paul Baker** – Has been an instructor of apprentice and journey plumbers with Plumbers Local 98 for almost 20 years. He is a certified instructor of journey workers and apprentices and a certified training coordinator with the United Association of Plumbers and Pipefitters, a licensed Master Plumber with the State of Michigan and is the current Director of Training for Plumbers Local 98 Apprenticeship program.

### **\*\*\* TAKE NOTICE \*\*\***

#### **All Professional Engineers and Certified Plumbing Designers**

Design class held monthly from 4:30 - 5:30 PM, can be counted towards your professionally required REUs, CEHs, and CEUs.



## IN THE KNOW

### CODE BOOK ORDER FORM

Please use the most current book order form from the Code Study & Development Group found in this newsletter. Contact Mr. Dann Holmes with questions at [dholmes@nsf.org](mailto:dholmes@nsf.org) or (734) 214-6222

### TABLE TOP SPONSORSHIP PRICING

#### ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

#### Non-Members

- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.



SAVE  
THE  
DATE

Jan. 2020

Next  
AYP  
Event



### UVC-LED WATER TREATMENT

Exclusively through OASIS

#### Model Code:

- PWEBQ

#### Features:

- **Pathogen Control:** UVC-LEDs disinfect the water when it is being dispensed, eliminating the chance of recontamination and reducing 99.99% of pathogens.
- **Pathogen Inactivation:** Effective against a wide range of water-borne pathogens, including Legionella and chlorine resistant micro-organisms such as Cryptosporidium and Giardia.
- **Chemical Free:** UVC-LEDs provide physical treatment of water without the use of harmful chemicals or altering taste.
- **Mercury Free:** Conventional UV lamps contain mercury, a hazardous material which requires special disposal. UVC-LEDs are mercury-free.
- **Freshfield:** Alcove plastic is manufactured with our exclusive silver-based antimicrobial compound to prevent degradation and deterioration caused by bacterial growth.
- **Extremely Low Power:** UVC-LEDs do not transfer heat to the treated water.
- **Constant Protection:** UVC-LEDs pulse on every 10 minutes for a short duration to keep the dispense point sanitized between dispenses.
- **Fall Safe:** Prevents water from dispensing if the QUASAR unit becomes disconnected or falls.
- **Long Life:** Will last three years or more because UVC-LEDs are only on during water dispense or standby mode constant protection.

UVC-LED Treatment right at the point-of-dispense



#### Represented by New Century Sales:

WEST MICHIGAN	WEST MICHIGAN	EAST MICHIGAN	EAST MICHIGAN
Michael Zago	Rod Cox	Todd Hiller	Ross Beck
D (248) 960-1147 x 107	D (248) 960-1147 x 116	D (248) 960-1147 x 106	D (248) 960-1147 x 115
C (616) 293-2121	C (616) 706-1481	C (513) 633-2609	C (734) 673-2119
E mikez@newcenturysales.com	E rodc@newcenturysales.com	E toddh@newcenturysales.com	E rossb@newcenturysales.com
















[www.newcenturysales.com](http://www.newcenturysales.com)



# NEW CENTURY SALES, INC.

MANUFACTURERS REPRESENTATIVES

**MB&A**  
MEEK | BECK & ASSOCIATES INC.

 <a href="http://www.americanstandard-us.com">www.americanstandard-us.com</a> (Kitchen & Bathroom)	 <a href="http://www.amtrol.com">www.amtrol.com</a> (Expansion Tanks)	 <a href="http://www.anaheimmfg.com">www.anaheimmfg.com</a> (Garbage Disposals)	 <a href="http://www.bascoshowerdoor.com">www.bascoshowerdoor.com</a> (Shower Doors)
 <a href="http://www.bradleycorp.com">www.bradleycorp.com</a> (Washroom Solutions)	 <a href="http://www.caleffi.com">www.caleffi.com</a> (Hydronic Accessories)	 <a href="http://www.fiatproducts.com">www.fiatproducts.com</a> (Shower Floors)	 <a href="http://www.grohe.com/us">www.grohe.com/us</a> (Faucets)
 <a href="http://www.femyers.com">www.femyers.com</a> (Water and Waste Pumps)	 <a href="http://www.femyers.com">www.femyers.com</a> (Water and Waste Pumps)	 <a href="http://www.oasisbath.com">www.oasisbath.com</a> (Fiberglass & Acrylic Tub & Showers)	 <a href="http://www.oasiscoolers.com">www.oasiscoolers.com</a> Water Filtration Coolers
 <a href="http://www.oatey.com">www.oatey.com</a> (Cherne, Dbn Brass, Harvey & Hercules)	 <a href="https://na.panasonic.com/us/home-living-solutions/ventilation-indoor-air-quality/">https://na.panasonic.com/us/home-living-solutions/ventilation-indoor-air-quality/</a> (Bath Fans)	 <a href="http://www.rehau.com/us-en">www.rehau.com/us-en</a> (PEX Plumbing Products)	 <a href="http://www.rheem.com">www.rheem.com</a> (Water Heaters)



## Represented by New Century Sales:

### WEST MICHIGAN

Michael Zago  
C (616) 293-2121

E mikez@newcenturysales.com

### WEST MICHIGAN

Rod Cox  
C (616) 706-1481

E rodc@newcenturysales.com

### EAST MICHIGAN

Todd Hiler  
C (513) 633-2609

E toddh@newcenturysales.com

### EAST MICHIGAN

Ross Beck  
C (734) 673-2119

E rossb@newcenturysales.com

[www.newcenturysales.com](http://www.newcenturysales.com)

# VP Technical Report

**Kristin Simoneaux, P.E., CPD, LEED**



We had a good turn out for our October meeting on Domestic Water Recirculation. Thank you to all who attended! Norm Hall presented on the importance of recirculation systems and different components of the system. Some of the highlights from the meeting.

- Why is recirculation important? Legionella growth occurs in temperatures from 68 deg F to 122 deg F. In the past, the aquastats that would turn on/off circulation pumps were set for 95 deg F to 115 deg F. As we have learned more about Legionella, the industry has moved toward trying to maintain temperatures in the piping above the growth zone. This has resulted in hot water storage and distribution temperatures increasing to 140 to 160 deg F depending on the allowable temperature loss within the system.
- ASHRAE Guideline 12 may soon require 124 deg F on hot water return. If the supply temperature is 140 deg F and the system allows a 10 deg F drop due to insulation, this leaves 6 deg F drop allowable for the return side of the distribution.
- OSHA requires storing domestic hot water at 140 deg F.
- ASHRAE 90.1 2010 and 2013 state to turn the recirc pump on/off in conjunction with building occupancy. By turning off the recirc pump, the water within the piping can fall into bacterial growth range. If the pump system must turn off, it was recommended to have an aquastat to turn the system back on to maintain temperature if it drops too low.
- The Veterans Administration requires recirculation of hot and cold water to prevent bacterial growth. VHA directive 1061 requires a minimum of 140 deg F for storage, 130 deg F minimum for semi-instantaneous, and distribution system must be no lower than 124 deg F. Cold water at temperatures above 67 deg F must be recirculated.
- The elevated distribution temperatures have brought new challenges. Third degree burns can occur at a mere 5 seconds of exposure to 140 deg F water. Point of use mixing valves were recommended to protect the individual fixtures against scalding.
- International Plumbing Code section 607 requires recirculation for areas farther than 50 feet from the circulated main. Low flow fixtures (0.5 gpm and less) can cause challenges to flush 50 feet of piping to maintain temp. A ¾" hot water pipe at 50 feet holds 1.26 gallons of water. For a 0.5 gpm faucet assuming 0.4 gpm from hot water, this

will take over 3 minutes (188.3 seconds) to flush the pipe to get hot water from the main. It was recommended to provide more recirculation for low flow fixtures than the minimum the code requires.

- Balance valves come in multiple types. The types are:
  - o Manual flow (circuit setter manual balance valve): The minimum flowrate is limited to 1/3 gpm or ½ gpm depending on the manufacturer. The maximum flow is limited by the maximum velocity allowed for the copper.
  - o Automatic flow valve: The valves have cartridges that move in and out to maintain an allowable temperature in the system. Very few are lead free rated.
  - o Automatic temperature (manual or actuated bypass options): Valves should be available with or without high temperature bypass if you are using it. Can work with VFD pumps. Comes in NSF 61 rated. Needs to be field adjusted. Valve will never have zero gpm to prevent stagnant water and pump deadheading. Can connect to BAS and be adjustable through the BAS.
- The flow rate is determined by the supply piping heat loss to the faucet or riser at a given delta temperature is per ASPE. The flow rate should be determined by total heat loss through the system. Total gpm = btuh/(delta T \* 500). ASHRAE 90.1 gives insulation thickness required based on pipe size and delta T.
- For high rise applications, it was recommended to use automatic balance or automatic temperature valves if not able to zone the hot water recirculation. Zoning the hot water recirculation is preferred.

A huge thank you to our tabletop sponsors: Balfrey & Johnston, Lochinvar, New Century Sales/Meek Beck, and RL Deppman!

Our next meeting will be part 2 of Venting. Mike Melaragni and Paul Baker will be discussing in depth sections 911 through 920 of the Michigan Plumbing Code. Have questions on how to properly combination waste and vent? Is circuit venting a mystery? This class is for you!!

If you have any questions about previous or upcoming meetings and/or would like to sponsor an event, please feel free to contact me. I will see you Nov 12th!

Kristin Simoneaux, P.E., CPD, LEED AP  
Senior Mechanical Engineer, Stantec Architecture  
[ksimoneaux@stantec.com](mailto:ksimoneaux@stantec.com)



## YOUNG PROFESSIONALS

# Affiliate Liaison Report

## Dann Holmes, ASPE Region 2



### Where do we go from here?

For most of 2019, I have written articles on the HITS Conference in Buffalo, NY, the *Legionella* Conference in Los Angeles, CA, and of course the ASPE Technical Symposium in Pittsburgh, PA. These events all share a common theme, Waterborne Pathogens.

Note I did not write that the theme was “*Legionella*”. Don’t get me wrong, *Legionella* is a real threat. It can make people sick with a mild form of pneumonia called Pontiac Fever, or worse, kill you or a loved one if Legionnaires’ disease is contracted and not properly diagnosed, and treated in time.

*Legionella* is the bacteria that most of the manufacturers, engineers, and consultants involved in plumbing are concentrating on. I don’t blame them, but as professionals delivering safe, clean, potable water systems to humans, we cannot afford to make this mistake. We must do a better job. Take the “*Legionella*” blinders off and take a full 360-degree HAI (Healthcare Acquired Infection) look around you.

In early October of this year, three infants died from a *pseudomonas* outbreak in the NICU at the Geisinger Medical Center in Danville, PA. Eight other premature babies staying in the same NICU survived. There is no greater fear for a parent than to lose a child, especially an infant.

*Pseudomonas* bacteria is a common germ in healthcare environments. It is also extremely adaptive. Another name is Antimicrobial Resistance (AMR). Be sure to add this acronym to your vocabulary.

Carbapenem-resistant gram-negative bacteria, namely, carbapenem-resistant Enterobacteriaceae (CRE), *Acinetobacter baumannii* (CRAB) and *Pseudomonas aeruginosa* (CRPsA), are an emerging cause of healthcare

acquired infection that pose a significant threat to public health. The WHO published guidelines on this subject in 2017. You can download a free copy by clicking [here](#). Or, visit <https://www.who.int/infection-prevention/publications/guidelines-cre/en/>

Those that know me, know I am not an engineer, nor an infection preventionist. I don’t pretend to be one, but I can tell you the **science** of plumbing engineering, design, codes, installation, and maintenance of building water systems is heading in a new direction. What you know today will be the “old school” ways of doing things in the very near future. This should be exciting news for all the AYPs.

ASPE is addressing some of these issues with two groups. The **Long-Range Planning Committee** (LRPC) and the newly formed **Legionella Working Group** (LWG). The LWG is looking to develop a premise plumbing specific design guide for commercial buildings. There will be a healthcare related sub-group looking to do the same. As everyone knows, healthcare systems are some of the most complex plumbing systems known and require special attention. I am happy to report, our Region 2 Director, Keith Bush, CPD, CSI, GPD will chair the LRPC and will sit on the LWG too.

In addition to the design guide(s), the LWG will review conflicts in the plumbing codes, LEED and/or WELL buildings, water velocities, stagnation, water quality, filtration, ultra-filtration, disinfection and much, much more.

Buckle yourself in. The road to safer, cleaner, healthier, potable water systems just might get a little bumpy along the way. Be sure to continue to do your research, learn, seek advice, and enjoy the ride as we transition into a new Water Safety Culture.

Dann Holmes – ASPE Region 2 Affiliate Liaison

NSF International – [r2al@aspe.org](mailto:r2al@aspe.org)



AS AN ASPE MEMBER YOU  
CAN RECEIVE THE PIPELINE  
PUBLICATION - ACCESS  
ARCHIVE EDITIONS AT

<http://aspe.org/Pipeline>



# AYP Liaison Report

George Bellman



Hi everyone! I hope your schedules have been chalked full of exciting projects and events this past month. I know mine certainly has. Lately I've been learning about plumbing design consideration in a post-tensioned slab and how to not burn a Sunday pork roast. And yes, the second pork roast turned out delicious.

I wanted to take this issue to let everyone know about our next AYP event. But first, a preemptively published thank you for everyone who attended our Oct. 30 meet-up and a huge thank you to our night's sponsor Chip Bidigare of Merlo Energy! I will have photos and a better article about this night in our next newsletter. Stay tuned!

As we all diligently work through the November and December months, please mark your calendars for Wednesday, January 29, 2020 for the next AYP meet-up.

While reading this, please don't get discouraged. There are plenty of events in the works for 2020 that I believe will be a blast!

Best,

George Bellman

[Gbellman72@gmail.com](mailto:Gbellman72@gmail.com)

P.S.

Here is the link to the CPDT information:

<https://www.aspe.org/CPDT-exam>

Here is the link to the CPD information:

<https://aspe.org/CPDEexam>

**Plumbing engineer magazine**  
**The official publication of ASPE**

## Green Plumbing Design Certificate Program



HOME

CANDIDATE BULLETIN

GPD DIRECTORY

TESTING CENTERS

The Green Plumbing Design (GPD) certificate program, sponsored by the American Society of Plumbing Engineers and the [International Association of Plumbing and Mechanical Officials](#), is for engineers and designers with advanced skills in sustainable plumbing system design and consulting. Available only for engineers and designers who hold either the [Certified in Plumbing Design](#) (CPD) certification or a Professional Engineer (PE) license, the GPD certificate denotes professionals with a high level of experience and training in sustainable practices. The GPD designation signifies professionals who are dedicated to ensuring the efficient use of our precious water resources via water-conserving plumbing system designs for commercial and residential applications.

The next GPD workshop is going to be held at the 2019 Tech Symposium in Pittsburgh, PA on Oct. 23-24, 2019. Read more at [here](#).



# ASPE YOUNG PROFESSIONALS

## Hey Young Professionals!

**Learn more about our group!**



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

- » Partnerships with other associations
- » Social and networking events
- » Educational offerings
- » Mentoring programs
- » And more!



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

Exclusive AYP Sponsor





## CPDT - 2020 EXAM DATES: TBD

Registration opens: TBD

Registration closes: TBD

## CPD - 2020 EXAM DATES: March 30 - April 5, 2020

Registration opens (estimated): Dec. 1, 2019

Registration closes (estimated): March 19, 2020

Go to the national [ASPE website](#) for more information

# ALL-IN-ONE SCALD PROTECTION



420-T Series

**Now there's no need to install a thermostatic mixing valve below the sink.**

The new 420-T Series combines Chicago Faucets durability with integrated scald protection. The result is a solid, easy-to-install restroom faucet that complies with ASSE 1070 requirements. With the 420-T, everything you need to meet current building codes and protect users against scalding is built right into the faucet.

Visit [chicagofaucets.com](http://chicagofaucets.com) or call your local representative for more information.

**Taggart-Knight Group**

248/553-4388

[info@taggartknight.com](mailto:info@taggartknight.com)





32995 Industrial Road, Livonia, MI 48150  
 Phone 734.266.5300 Fax 734.266.5310  
[www.performanceengineering.com](http://www.performanceengineering.com)



High Efficiency Water Heaters  
 High Efficiency Heating Boilers  
 Custom System Solutions  
 Storage Tanks

Heating Boilers  
 Hot Water Supply  
 Pool/Spa Heaters  
 Storage Tanks  
 Complete Parts Stock



Snowmelt Systems  
 Radiant Floorheat Systems



Residential Water Heaters  
 Commercial Water Heaters  
 Storage Tanks  
 Complete Parts Stock

Natural Gas / Propane / Electric / Oil  
**3,000 to 4,000,000 BTU's**  
 ~ ALSO ~

Aldrich Boilers / Holby Valves / Valley Water Softeners



**KERR PUMP AND SUPPLY**  
 Web Site: [www.kerrpump.com](http://www.kerrpump.com)  
 Glenn E. Kline: [glenn@kerrpump.com](mailto:glenn@kerrpump.com)  
 12880 Cloverdale, Oak Park, MI 48237  
 Ph.: (248) 543-3880 Fax: (248) 543-3236

Liquid Pumps  
 Vacuum Pumps  
 Heat Exchangers  
 Blowers  
 Related Equipment  
 and Accessories

**Sales • Service • Repair**



## AURORA FIRE PUMPS

### Compact Fire Pump Systems

- UL Listed/FM Approved Aurora Fire Pump
- UL Listed/ FM Approved Fire Pump Controller
- Capacities of 50-750 Gpm.
- Pressures of 40-160 Psi.
- Aurora Model PVM (close coupled to an ODP motor.)

### Vertical Split Case Electric Drive Fire Pump

- Electric Driven
- For Commercial, Industrial and Marine use only.
- UL Listed/ FM Approved/NFPA-20 Design

### Horizontal Split Case Diesel Drive Fire Pump

- Diesel and Electric driven available.
- Flows at 250 gpm to 5000 gpm.
- Pressures available up to 490 Psi.

PLEASE INQUIRE TO KERR PUMP FOR PRICING,  
 SELECTIONS, OR TESTING ON EXISTING.  
 ALSO, PLEASE SEE [www.aurorapump.com](http://www.aurorapump.com)



**Michigan's Oldest Supplier of Pumps and Process Equipment - 1905**



# THE BEST OFFENSE IS A GOOD DEFENSE.



Defend against the test of time and use cast iron soil pipe. Ensure success by knowing when and where to specify cast iron soil pipe. Did you know you can earn CEU's by taking a foundry tour to see how cast iron pipe is made or attend a local lunch and learn? Contact your local technical services manager today.



**PLUMBING**  
TECHNICAL SERVICES

LEARN MORE:  
[mcwaneplumbingtechservices.com](http://mcwaneplumbingtechservices.com)





## Introducing **TRITON™**, The Most Intelligent High-Efficiency Commercial Gas Water Heater In the Market



### TRITON SU BASE

- LeakSense™
- 130K–400K BTU
- Up to 97% Efficiency
- Easy Retrofit Across Brands
- Health Checks
- Built-in Condensate Neutralizer
- EcoNet® Smart Monitoring Technology
- Integrated WiFi
- Scheduling Capability
- Power Anodes
- Full Modulation
- 3-Year Warranty



### TRITON SS PREMIUM

#### Standard Features, Plus:

- LeakGuard™
- Integrated BMS Connectivity
- BACnet (MS/TP)
- Energy Usage Reports
- Water Usage Reports
- 5-Year Warranty

### ELIMINATE THE EMERGENCY

**LeakSense™** – Intelligent leak detection system catches leaks as small as a grain of sand and provides real time alerts that help to prevent catastrophic failure.

**LeakGuard™** – All inclusive leak detection and prevention system with proprietary auto shut off valve prevents catastrophic damage and allows no more than 24 ounces of water to escape the tank in a vacuum lock.

**EcoNet® Smart Monitoring Technology with Integrated WiFi** – Exclusive technology provides performance updates and alerts via both mobile device and full-color LCD display.

**Systematic Health Checks** – Ongoing self-monitoring of Triton's most vital components detects and alerts of potential issues.

**Preventive Maintenance Alerts** – Preventive maintenance reminders to extend life of the tank.

### EASY RETROFIT

**Universal Retrofit Across Brands** – Replace any brand in the market with multiple water connection points and flexible venting options.

**Multiple Connection Points** – Multiple water connections at the top, side and bottom of the unit simplify installation.

**Variety of Flexible Venting Options Including InnoFlue® Flex Venting** – Ideal for replacement and new installs with a selection of the most flexible PVC venting choices, including Polypropylene, PVC, CPVC, InnoFlue® Flex Venting and ABS materials; installed in power direct and power vent configurations and can vent 2, 3, 4 and 6 inch diameters.

**Patented Built-In Condensate Neutralizer** – Built-in condensate neutralizer reduces water acidity for safe drainage at no additional cost.

### BUILT TO LAST FIVE YEARS LONGER

**Triple Pass Heat Exchanger** – Constructed with premium ASME-grade steel to minimize rust and corrosion for extended tank life and maximum thermal efficiency.

**Advanced Power Anodes** – Self-adjusting, non-sacrificial power anodes provide systematic monitoring of anode health and remaining life on full-color LCD unit display.

REPRESENTED BY:

**New Century Sales**  
1715 Traditional Dr  
Commerce Twp, MI 48390  
Office: 248-960-1147

**Todd Hiler**  
Cell: 513-633-2609  
toddh@newcenturysales.com



Rheem.com/Triton





## [ calQlate Your Potential Energy Savings ]

**Booster system sizing can be difficult.  
That's why there's calQflo.**

QuantumFlo's advanced innovation makes us the premier industrial manufacturing and distribution leader of intelligent pump system technology.

We offer the industry's revolutionary online booster system sizing software, calQflo, that selects the most efficient booster option for your needs—so that your system keeps pumping long into the future! With calQflo, you can:

- Compute the most **size-appropriate** system for your projects.
- **Save money** by selecting **energy-efficient** specs.
- Gain all of this information for **free**!

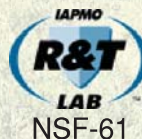


**Get 20-50% Potential Energy Savings from Standard Sizing**



### Quality Water & Air, Inc.

Quality Water & Air, Inc.  
1402 Souter  
Troy, MI 48083  
Phone: 248-589-8010  
Email: [qualitywaterair@cs.com](mailto:qualitywaterair@cs.com)  
Website: [www.qualitywaterair.com](http://www.qualitywaterair.com)  
Contact: Georgann - Chuck - Paul



Every Panel Meets UL508A with a 100KAIC  
(SCCR) Withstand Rating



# OCT. MEETING STATS

## THANK YOU TO OUR SPONSORS AND ATTENDEES!

### OUR SPONSOR(s)

Balfrey & Johnston  
RL Deppmann, Diversified Spec Sales  
New Century Sales/Meek Beck  
Lochinvar

### ATTENDEES

George Bellman  
Chip Bidigare  
Theresa Card  
Mark Ceo  
Alan Deal  
Robert Frey  
Rachel Gendich  
Rufina Golshteyn  
William Grayzar  
Brienne Hall  
Todd Hiler  
Thomas Huck

John Johnson  
George Johnston II  
Hank Koppelo  
Gayatri Lekshminarayanan  
Jeremy Lewis  
John Linton  
Jason Loverich  
Dan McClary  
Sean McIntosh  
Michael Melaragni  
Naveen Narayanan  
Brenda Pesmark

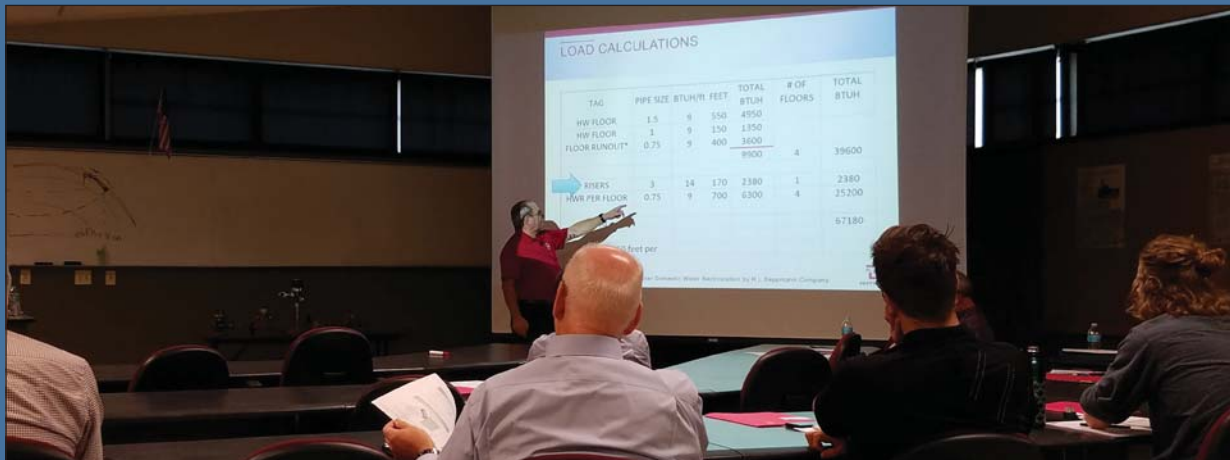
Gerry Potapa  
Paul Prentice  
Kari Rosteck  
Pierce Sadlier  
Bill Sample  
Kristin Simoneaux  
Bob Thomas  
Quinn Williamson  
Cindy Zatto  
Tom Zimmerman

If you are interested in table top sponsorship,  
please contact Kristin Simoneaux at: [ksimoneaux@stantec.com](mailto:ksimoneaux@stantec.com)  
or call (248) 336-4760

# OCTOBER PHOTOS



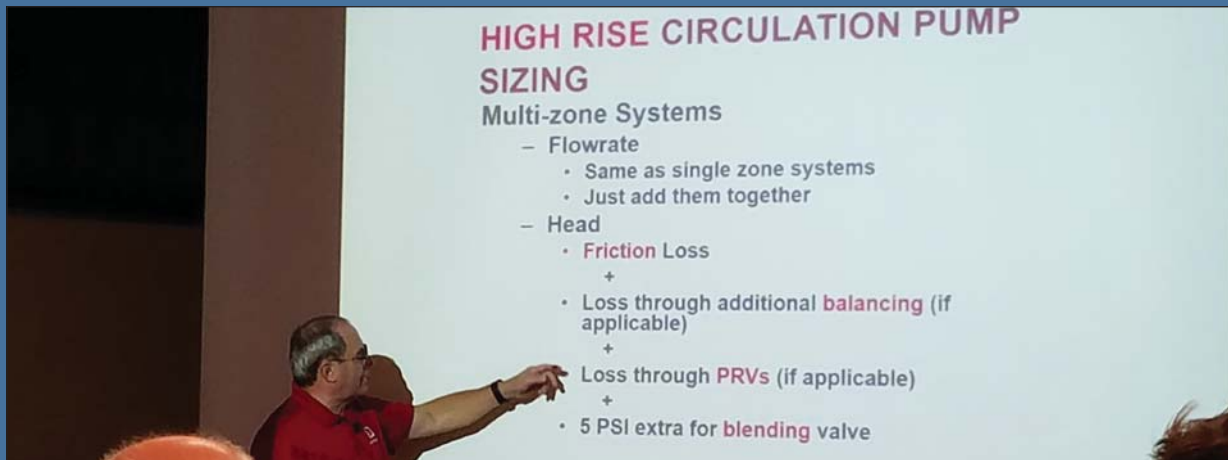
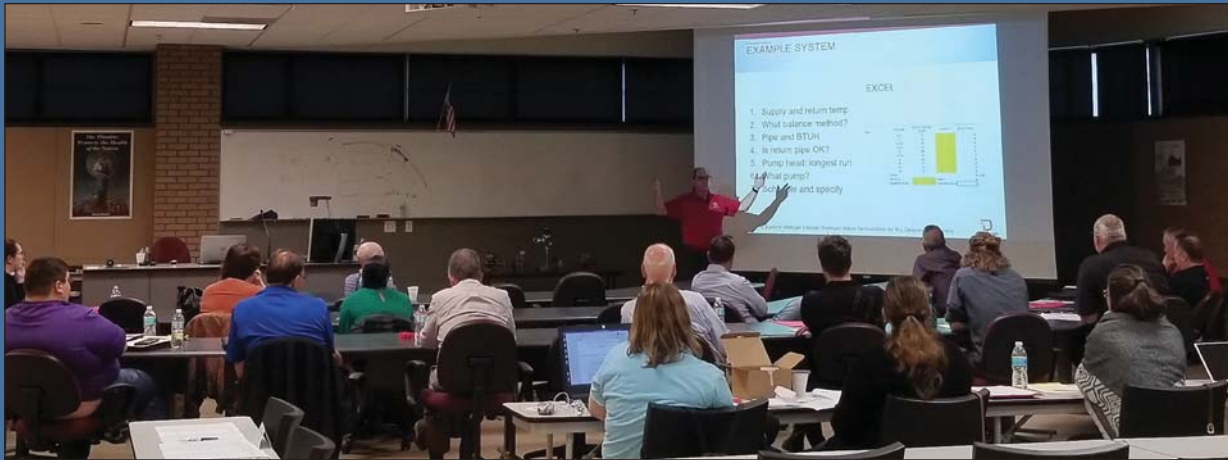
ASPE EMC President Theresa Card



Norm Hall, president of R. L. Deppmann presents on Domestic Water Recirculation



# OCTOBER PHOTOS





# OCTOBER PHOTOS



# OCTOBER PHOTOS



ASPE EMC President Theresa Card presents Norm Hall with Certificate of Appreciation



Balfrey and Johnston's 60th Anniversary party October 17th. Pictured L to R: Pam Hartsell, Kristin Simoneaux, George Johnston, Thera Card and George Johnston II



# INTRODUCING THE FREEZELESS **UNDERCOVER** WALL HYDRANT™



- Model 68 freezeless wall hydrant protected by an integral cover
- Drains automatically—even with hose attached
- Replaceable 16 gauge stainless steel cover flips down for easy access
- Tee key prevents unauthorized use
- Sleek, streamlined, low profile design



**WOODFORD MANUFACTURING COMPANY**

Excellence. *Always.*

800.621.6032 • [www.woodfordmfg.com](http://www.woodfordmfg.com)

Represented by Burke Agency, Inc. • 248.669.2800

**Woodford Model 68**





# Plumbing Engineer

THE OFFICIAL PUBLICATION OF ASPE

American Society of  
Plumbing Engineers™

## Viega System Solutions

Multiple materials, many solutions  
One provider



## For more information, contact:

**Carl Petitt, Jr.**  
Technical Manager - Great Lakes  
carl.petitt@viega.us  
(614) 852-2691

**Michael Norgan**  
District Sales Manager  
michael.norgan@viega.us  
(989) 415-2431

**viega**

[www.viega.us](http://www.viega.us)

# ASPE Mentoring Program

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

[aspe.org/aspe-mentoring-program](https://aspe.org/aspe-mentoring-program)







**Cindy Zatto**

For additional information on Aquatherm, Highland Tank, MIRO and Bonomi products, please call Cindy Zatto with V. E. Sales, Inc. at 810.343.2713 or email [cindy@vesalesinc.com](mailto:cindy@vesalesinc.com)



Put more than a century of excellence in valve design and production to work for your company

More than 100 years ago, the Bonomi family began designing and manufacturing valves in Italy with the same passion for excellence as the winemakers that were our first customers.

Today, our low-torque ball valves, in sizes 1/4" to 56", and precision electric and pneumatic actuators are still made in Italy in our own advanced production facilities. And though our single-part number valve and actuator packages make valve automation more simple than ever, our engineering support is available world wide.

Call Bonomi. We'll put our history of flow-control excellence to work for your future.



[www.bonominorthamerica.com](http://www.bonominorthamerica.com) • (704) 412-9031

## Stop Battling Volatile Prices and Corrosion

Pricing for steel mechanical piping systems is rising significantly. Lightweight, stably priced Aquatherm polypropylene-random (PP-R) piping is connected by quick, reliable heat fusion. Plus, PP-R doesn't rust, scale, or corrode and it has a 60-year projected lifespan and many other benefits.

**aquatherm**  
we've got a pipe for that

Learn more at [aquatherm.com](http://aquatherm.com)

## PROBLEM:

RPZ inside a building  
= flood damage  
= design engineer liability

## SOLUTION:

Install the RPZ inside a freeze protected enclosure located outside the building.

## Want to learn more?

Visit the engineering blog pages at [www.safe-t-cover.com/blog](http://www.safe-t-cover.com/blog)

**PROUDLY MADE IN THE USA**  
[WWW.MIROIND.COM](http://WWW.MIROIND.COM)

## THE SIMPLE, SMART SOLUTION TO ROOFTOP SUPPORTS

- ✓ Industry-leading 20 year warranty
- ✓ Designed to protect roof membrane by keeping PSI below 2.0
- ✓ Supports come pre-assembled and ready to install
- ✓ Supports available for duct, pipe, mechanical units, and more, as well as stair crossovers, ramps, and service platforms
- ✓ Professional assistance through the process, from take-off to final installation

## HOW CAN WE SUPPORT YOU?





# KIMAX® Glass Drain and Vent Systems

- Low volatile organic compounds (VOCs)
- Will not burn or emit toxic fumes
- Maximum corrosion resistance
- Flexibility, adaptability, modularity
- Safe and simple installation
- Lowest life-cycle costs

**Tro Sales Company**  
3406 West 12 Mile Road  
Berkley, MI 48072  
(248) 546-5354

**SCHOTT North America, Inc**  
info.drainline@us.schott.com  
[www.us.schott.com/drainline](http://www.us.schott.com/drainline)

**SCHOTT**  
glass made of ideas



## T&S IS HERE >

T&S is proud to be a trusted name across a wide range of markets — staying at the forefront of today's evolving industry and providing a vast selection of reliable solutions that meet required codes and compliances.

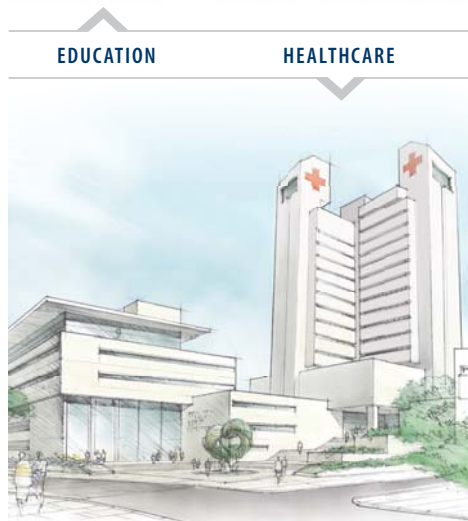
Learn more at [tsbrass.com/markets](http://tsbrass.com/markets).



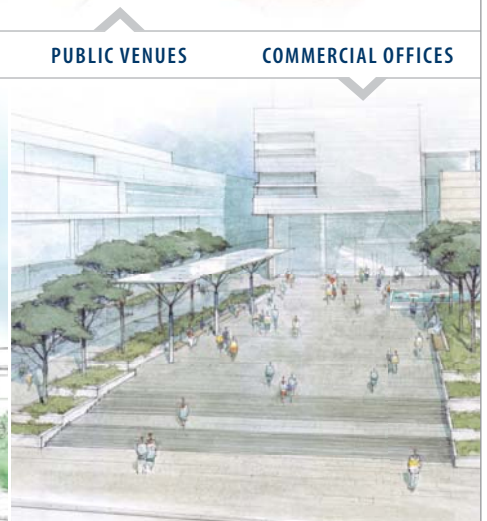
EDUCATION



PUBLIC VENUES



HEALTHCARE



COMMERCIAL OFFICES

Find us in



T&S plumbing products represented in Eastern Michigan by: Diversified Spec Sales - 248-398-2400

## Code Study and Development Group of Southeastern Michigan

28263 E Greenmeadow Cir., Farmington Hills, MI 48334

Item No.	Description	Price Each*	Order Date
3200S15MI	2015 MI Plumbing Code	\$ 82.50	
3300S15MI	2015 MI Mechanical Code	\$ 82.50	PO Number
3000S15MI	2015 MI Building Code	\$ 139.00	(If required)
3100S15MI	2015 MI Residential Code	\$ 125.00	
3550S15MI	2015 MI Rehab for Existing Buildings	\$ 90.00	
3210S15	2015 IPC with Commentary	\$ 95.00	
3310S15	2015 IMC with Commentary	\$ 95.00	
3600S15	2015 International Fuel Gas Code	\$ 76.00	
3600L15	2015 IFGC Loose-Leaf w/ Binder	\$ 89.00	
3610S15	2015 IFGC with Commentary	\$ 95.00	
3200S18	2018 IPC without Commentary	\$ 77.00	
3300S18	2018 IMC without Commentary	\$ 73.00	
3600S18	2018 IFGC without Commentary	\$ 73.00	

- **Payment MUST accompany order / verify your preferred delivery method**
- **Credit cards, cash or company check accepted.**
- Dann Holmes - dholmes@nsf.org or (734) 214-6222
- If orders are to be mailed, call Dann and you will be advised of additional freight charges.

- **Make check payable to: Code Study & Development Group of SE Michigan**

Mailing Address: 28263 E Greenmeadow Circle, Farmington Hills, MI 48334-5153

Item No.	Description	Quantity	Unit Price	Item Total	Status
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
Total books subject to incoming ICC Frgt charges		0			

<table border="1" style="width: 100%;"> <tr><th colspan="2">Client Information</th></tr> <tr><td>Company</td><td> </td></tr> <tr><td>Address</td><td> </td></tr> <tr><td>City</td><td> </td></tr> <tr><td>State</td><td> </td></tr> <tr><td>Zip-Code</td><td> </td></tr> </table> <table border="1" style="width: 100%;"> <tr><th colspan="2">Contact Information</th></tr> <tr><td>Attention</td><td> </td></tr> <tr><td>E-Mail</td><td> </td></tr> <tr><td>Phone</td><td> </td></tr> </table>	Client Information		Company		Address		City		State		Zip-Code		Contact Information		Attention		E-Mail		Phone		<b>Add \$4 per book</b> (Outgoing Frgt Charge)	<table border="1" style="width: 100%;"> <tr><th colspan="2">Order Details</th></tr> <tr><td>Sub-Total</td><td>\$ -</td></tr> <tr><td>ICC Frgt</td><td>\$ -</td></tr> <tr><td>USPS Frgt</td><td>\$ -</td></tr> <tr><td>MI Sales Tax</td><td>\$ -</td></tr> <tr><td><b>Invoice Total</b></td><td><b>\$ -</b></td></tr> </table> Received By: _____	Order Details		Sub-Total	\$ -	ICC Frgt	\$ -	USPS Frgt	\$ -	MI Sales Tax	\$ -	<b>Invoice Total</b>	<b>\$ -</b>
Client Information																																		
Company																																		
Address																																		
City																																		
State																																		
Zip-Code																																		
Contact Information																																		
Attention																																		
E-Mail																																		
Phone																																		
Order Details																																		
Sub-Total	\$ -																																	
ICC Frgt	\$ -																																	
USPS Frgt	\$ -																																	
MI Sales Tax	\$ -																																	
<b>Invoice Total</b>	<b>\$ -</b>																																	

Check No. \_\_\_\_\_ or Cash \_\_\_\_\_ Date Paid \_\_\_\_\_

Credit Card Approval No. \_\_\_\_\_

**\*Supersedes all pricing forms printed before August 18, 2017**

**2017 Code Book Order Form**

**BALFREY & JOHNSTON, INC.**

Manufacturers' Representatives  
13050 Northend  
Oak Park, MI 48237  
Ph 313 864-2800 Fax 313 864-7219  
**George D. Johnston:** george@balfrey-johnston.com  
balfrey-johnston.com

**KERR PUMP AND SUPPLY**

Manufacturers' Representatives  
12880 Cloverdale  
Oak Park, MI 48237  
Ph 248 543-3880 Fax 248 543-3236  
**Glenn E. Kline:** glenn@kerrpump.com  
kerrpump.com

**BURKE AGENCY, INC.**

Manufacturers' Representatives  
2605-A Oakley Park Road  
Walled Lake, MI 48390  
Ph 248 669-2800 Fax 248 669-3310  
**Brian Burke, Tom Zimmerman, John Taylor**  
bburke@burkeagency.com  
burkeagency.com

**LOCHINVAR**

High Efficiency Water Heaters and Boilers  
45900 Port Street  
Plymouth, MI 48170  
Ph 734 454-4480 Fax 734 454-1790  
**Jason Loverich:** jloverich@lochinvar.com  
lochinvar.com

**DALE PRENTICE COMPANY**

Manufacturers' Representatives &  
Application Engineering Solutions Provider  
26511 Harding Avenue  
Oak Park, MI 48237  
Ph 800 536-4700 Fax 248 339-5559  
**Michael Cullen:** mcullen@prenticeco.com  
Mobile 248 302-5924  
prenticeco.com

**MAJOR/LOZUAWAY & ASSOCIATES, INC.**

Manufacturers' Representatives  
1117 W. Grand Blanc Rd.  
Grand Blanc, MI 48439  
Ph 810 234-1635 Fax 810 234-8389  
**Mike Ostrowski:** moski@lozuaway.com  
Mobile 810 287-6983

**DAVE WATSON ASSOCIATES, INC.**

Manufacturers' Representatives  
1325 W. Beecher St.  
Adrian, MI 49221  
Ph 517 263-8988 Fax 517 263-2328  
**Dave Watson, Jr:** dwa@davewatson.biz  
davewatson.biz

**MEEK/BECK & ASSOC., INC.**

Manufacturers' Representatives  
11875 Belden Court  
Livonia, MI 48150  
Ph 734 458-2950 Fax 734 458-2953  
**Ross Beck:** rossb@newcenturysales.com  
meekbeck.com

**DIVERSIFIED SPEC. SALES, INC./  
HOWLEY AGENCY SALES CO.**

Manufacturers' Representative  
13261 Northend Ave.  
Oak Park, MI 48237-3265  
**Michael J. Burdette:** mburdette@dsshowley.com  
Ph 248 398-2400 Fax 248 547-4905  
diversifiedspec.com

**NEW CENTURY SALES, INC.**

Manufacturers' Representatives  
1715 Traditional Dr.  
Commerce Township, MI 48390  
Ph 248 960-1147  
**Todd Hiler:** toddh@newcenturysales.com  
Mobile 513 633-2609  
newcenturysales.com

**HS/BUY VAN ASSOCIATES, INC.**

Manufacturers' Representatives  
56 S. Squirrel  
Auburn Hills, MI 48326  
**Jarrett Armstrong, Bill Allen**  
Ph 888 472-8982 Fax 248 852-0298  
info@hsbuyvan.com  
hsbuyvan.com

**PAULA A. BAKER**

ASSE Region #4 Director - Mid West  
ASSE International  
18927 Hickory Creek Drive, Suite 220  
Mokena, IL 60448  
Ph 313 399-3072 Fax 248 585-1437  
**Paul Baker:** paul.baker@ualocal98jatc.org  
www.asse-plumbing.org



#### **PERFORMANCE ENGINEERING GROUP**

Engineered Water Products  
32955 Industrial Rd.  
Livonia, MI 48150  
**Alan Deal:** adeal@performanceengineering.com  
Ph 734 266-5300 Fax 734 266-5310  
performanceengineering.com

#### **QUALITY WATER & AIR, INC.**

Manufacturers' Representative  
1402 Souter  
Troy, MI 48083  
**Georgann Kummer, WBE**  
Ph 248 589-8010 Fax 248 589-8016  
qualitywaterair@cs.com  
qualitywaterair.com

#### **PLUMB-TECH DESIGN & CONSULTING SERVICES**

Plumbing-Piping-Fire Protection & HVAC System Design  
Code & Standard Consulting-Investigations of system failures  
3D CAD, BIM, Revit, Navisworks-Training Seminars-Tech. Reports  
303 N. Monroe St., Monroe, MI 48162  
**Ron George, CPD, President:** ron@plumb-techllc.com  
Ph 734 322-0225 Mobile 734 755-1908  
Plumb-TechLLC.com

#### **R.L. DEPPMANN COMPANY**

Manufacturers' Representatives  
20929 Bridge Street  
Southfield, MI 48033  
**Chris Lieder, Gerry Potapa Jr., CPD,**  
**Mark Fine LEED AP®, Paul Prentice, LEED AP®**  
Ph 800 589-6120 Fax 248 354-3763  
sales@deppmann.com  
deppmann.com

#### **PROGRESSIVE MARKETING & SALES INC.**

Manufacturers' Representatives  
7450 Hessler Dr. Rockford MI 49341  
**Dave Andrus** 616-916-4140 andrus.progressive@gmail.com  
**Matt Johnson** 517-614-1448 mjohnson.progressive@gmail.com  
**Doug Shaffer** 248-648-0187 shaffer.progressive@gmail.com  
progressivemarketingandsales.com

#### **TAGGART-KNIGHT GROUP**

Manufacturers' Representatives  
37686 Enterprise Ct.  
Farmington Hills, MI 48331  
**Gary O. Taggart**  
Ph 248 553-4388 Fax 248 553-4653  
info@taggartco.com  
taggartknight.com

#### **PROGRESSIVE PLUMBING SUPPLY**

Manufacturers' Representatives  
31239 Mound Road  
Warren, MI 48092  
Ph 586 756-8662 Fax 586 756-9077  
ppsplyco.com

#### **V. E. SALES COMPANY**

V. E. Sales is your source for  
the finest quality flow control solutions.  
25200 Jefferson Ave.  
St. Clair Shores, MI 48081  
**Thomas Van Egmond**  
Ph 586 774-7760 Fax 586 774-1490  
vesalesinc.com

Expand  
**YOUR COMPANY**  
Place your ad here.

# Meeting Location Map: Plumbing Training Center

## 1911 Ring Dr, Troy, MI 48083



## 2019-2020 ASPE EMC Board

### President

Theresa Card, P.E., CPD, LEED AP  
BD+C, GPD  
Strategic Energy Solutions  
4000 West 11 Mile Rd  
Berkley, MI 48072  
248.399.1900 ext 223  
allethe@gmail.com

### VP Technical

Kristin Simoneaux, P.E., CPD,  
LEED AP  
2338 Coolidge Hwy. #100  
Berkley, MI 48072  
(248) 336-4700  
kristin.simoneaux@stantec.com

### VP Legislative

William Grayzar, CPD  
28150 Greenfield Rd.  
Southfield, MI 48076  
(248)569-1430 ext.333  
bill@dsonline.com

### VP Membership

Frank Tistle, CWS  
Pentair  
248.496.7553 Cell  
frank.tistle@pentair.com

### VP Education

Brianne Hall, P.E., CPD, LEED  
AP BD+C, GGP  
FTC&H  
39500 Mac Kenzie Dr. Suite 100  
Novi, MI 48377  
(248) 324-4780  
bnhall@ftch.com

### Treasurer

Pam Hartsell, CPD  
Strategic Energy Solutions  
4000 W. Eleven Mile Rd.  
Berkley, MI 48072  
(248) 399-1900 x 222  
Fax: 399-1901  
p\_hartsell@yahoo.com

### Administrative Secretary

Hank Koppelo, CPD  
Macomb Mechanical  
6250 Nineteen Mile Road  
Sterling Heights, MI 48314  
(586)737-9900  
hkoppelo@macombmech.com

### Corresponding Secretary

George Johnston II  
13050 Northend Ave  
Oak Park, MI 48237  
(313) 864-2800 Fax: 864-7219  
george2@balfrey-johnston.com

### Chaper Affiliate/Liaison

Dann Holmes  
NSF International  
789 N. Dixboro Rd  
Ann Arbor, MI 48105  
(734) 214-6222  
r2al@aspe.org

### AYP Liaison

George Bellman  
Strategic Energy Solutions  
4000 W. Eleven Mile Rd.  
Berkley, MI 48072  
(248) 399-1900 x222  
Gbellman72@gmail.com

### Board Members

Mark Lamberson, CPD  
81190 Church Street,  
Memphis MI 48041-5401  
(810) 392-5010  
Mark.lamberson@limbachinc.com

Michael Melaragni, CPD  
38958 Lapham Drive | Livonia, MI  
48154-1014  
(734) 591-9339  
mjmelaragni@yahoo.com

Amanda Belcher, LEED GA  
Strategic Energy Solutions  
4000 W. Eleven Mile Rd.  
Berkley, MI 48072  
(248) 399-1900 Fax 399-1901  
amandab@sesnet.com

Kari Rosteck  
(313) 318-6555  
kari.rosteck@gmail.com

John Nussbaum, IPP, FASSE, FASPE

### Advertising Opportunity Information

ASPE EMC News is published 9 times per year (September through May, plus one summer issue if feasible). Yearly advertising rates are \$200.00 per ad for members and \$250.00 for non-members. One time digital full page insert advertisements are \$250.00 for one issue, quarter page (9 issues) \$250.00 - half page (9 issues) and full page (9 issues) \$550.00. Please call Pam Hartsell at (248) 399-1900 x 222 for any questions regarding pricing of ads. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Pam Hartsell, CPD at Strategic Energy Solution, 4000 W. Eleven Mile Rd. Berkley, MI 48072 . Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles and all digital artwork email to: Theresa Green, Newsletter Editor at: theresa.m.green@outlook.com

### Table Top Sponsorship Information

#### ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

#### Non-Members

- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.



**PAY FAST, PAY EASY**  
Secure Payments Accepted By

