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JANUARY 2022

**TOPIC: WATER COOLERS & DRINKING FOUNTAINS
MOVING FORWARD**

PRESENTER: BRIAN O'KEEFE - OASIS

**WHEN: WED., JAN. 12th
11:45 am - 1:30 pm**

WHERE: VIA ZOOM MEETING @
<https://moseleyarch.zoom.us/j/95282350445>
(highlight web address then right click & select Go To...)

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ASPE Young Professionals Chapter Liaison

Eric Geisendaffer - Bay Associates
eric@bayassociates.com

GREETINGS FROM THE PRESIDENT

President's Message....

I hope everyone was able to take some time to spend with family over the holiday's. I look forward to what this new year has in store for our chapter. My hope is that as more time passes we will be able to get back to in-person meetings. For now, and until we can determine that in-person meetings will be sustainable, we will remain virtual.

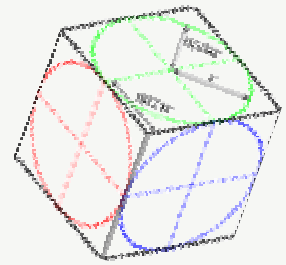
I look forward to seeing everyone tomorrow for the virtual monthly meeting, Wednesday the 12th. If you need the virtual zoom meeting invitation please let me know and I'll get it to you prior to the start time.

As always, if you have any questions, comments or concerns, please do not hesitate to reach out to me or anyone on the board.



**JOSHUA H. LANDIS, CPD
PRESIDENT, ASPE RICHMOND CHAPTER**

TECHNICAL SCHEDULE



Presentation Lineup

(VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)

- **February 9**
 - **Water Control Systems**
 - **Kemper**
- **March 9**
 - **Smart Water Management**
 - **George Fischer**
- **April 13**
 - **Digital Mixing Stations**
 - **Armstrong**

VP MEMBERSHIP - ROB GRUBBS



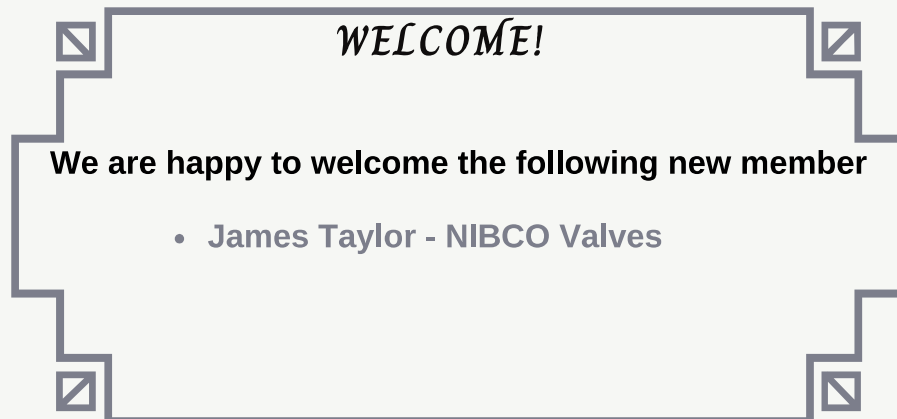
It's never too late to join ASPE! The monthly meetings are just one of the advantages to becoming a member. Current members, please encourage your colleague's to attend our monthly meetings and consider joining the ASPE family. Visit <https://www.aspe.org/join> for more information.

Is Your ASPE Membership About To Expire?

Be on the look-out for your reminder notice to renew and/or go directly to <https://www.aspe.org/membership-global-community/join/>. See options for multiple-year and early-renewal along with other useful information.

ASPE ANNOUNCES UPGRADES TO OUR ONLINE RENEWAL SYSTEM

As of last month, ASPE's entire online renewal system has been enhanced and streamlined for all members. And for those who are members of multiple ASPE Chapters, you now are able to renew all of your Chapter memberships online. If you want to join multiple Chapters, you have that option online as well. If you have any questions, please contact membership@aspe.org



LET'S CELEBRATE!



BIRTHDAYS

Marjorie Davidson	1/1
David Dahl	1/12
James Taylor	1/14
John Hogarth	1/16
Joseph Scerbo	1/18
Christine Street	1/22
Kevin Sherlock	1/23
John Sharp-Stevenson	1/28
Steve Lyons	1/31
Teodora Pashova	1/31

ANNIVERSARIES

David Hanson	1/19/2010
Randall Merkel	1/9/2013
Robbie Shearon	1/20/2020
Marjorie Davidson	1/28/2020

**ASPE
YOUNG
PROFESSIONALS**

19 JAN | 12 PM

Guest Speaker:
Ryan Brown

Hosted By:
Richmond Chapter
Zoom Meeting



HEAT PUMP WATER HEATER TECHNOLOGY

Attendance is **FREE** for Region 1 Young Professionals

Registration link will be provided at a later date



What's Old Is New Again: THE ENVIRONMENTAL & OPERATIONAL BENEFITS OF R744 HEAT PUMP WATER HEATERS

Ryan entered the HVAC/P industry almost 10 years ago as an outside sales engineer in the Las Vegas, NV market. Since joining Watts Water Technologies in 2016 he has remained focused on applied heating and hot water solutions and entered his current role in 2020 prior to the announcement of the Lync by Watts brand. Prior to entering the industry, Ryan served 10 years in the United States Army as a Special Forces team member and human intelligence network manager.

As electrification and decarbonization initiatives continue to grow throughout North America, there is increased scrutiny on the refrigerants being used. Heat pump water heaters powered by R744, better known as CO₂, provide a way to address ever evolving energy savings and low-GWP requirements. This session will explore low-GWP CO₂ refrigerants that can provide high performance under a wide range of operating conditions. This rapidly growing product category offers many unique benefits. This session will examine the factors driving the adoption of R744-powered heat pumps, the keys to a transcritical refrigeration cycle, options for maximizing performance, strategies for applying this technology, and opportunities to integrate them with other ecofriendly water heating systems

REGION 1 ASPE YOUNG PROFESSIONAL LIAISONS

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Baltimore

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Boston

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Hampton Roads

Jean-Nicholas Beaudoin
Montreal

Jacob Schragar
Philadelphia

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- ☉ Mixing valve designed specifically for emergency drench systems ensures a constant flow of tepid water
- ☉ High impact composite jacket cannot rust or corrode

Hubbell Heaters offers a full range of styles, sizes, and optional features to meet your exact heating needs.

Contact our representative, Eric Geisendaffer, today! eric@bayassociates.com



HubbellHeaters.com



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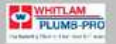


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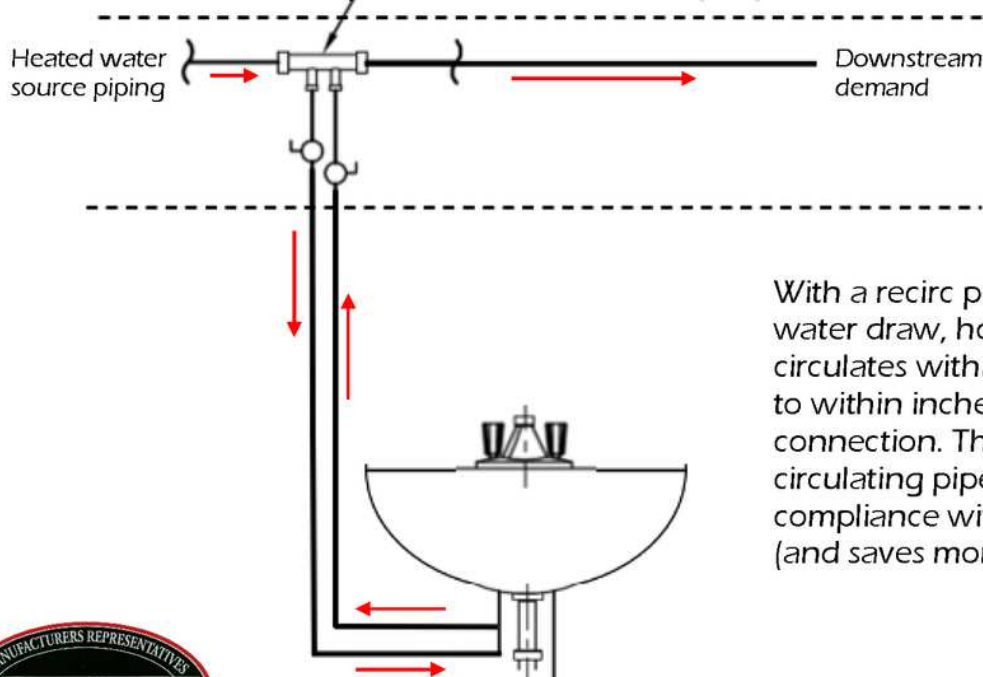
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How to comply with the Energy Code C404.5.1 (requiring a maximum of only 24" of non-circulating pipe length).

The **Kemper Flow-Splitter** gives the designer the ability to route smaller circulation loops to public lavs and other fixtures from the primary heated water source. It's a 'no-brainer'.



Flow-Splitter
Figure 651 06 XXX



With a recirc pump or downstream water draw, hot water automatically circulates within the connected loop to within inches of the fixture connection. This minimizes non-circulating pipe lengths for compliance with the energy code (and saves money).



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KEMPER
WATER CONTROL SYSTEMS

ASPE Design Guide Volume 4 Chapter 4

“The goal of the designer should be for the system to operate with as little energy as possible for a given demand.”

“At no time is a booster at 100 percent flow based on Hunter’s diversity curves”

“When selecting the total flow capacity, one preferred way to evaluate the operational efficiency is to use a method that can be scientifically proven, such as the 70 percent method.”

“Tanks will typically be required when the manufacturer does not utilize low flow testing algorithms to detect low flow”

“New energy standards concede that reducing the speed of a pump during most of its operational time and restarting for makeup loads is more efficient than using tanks as “water storage batteries” during low-flow conditions.”

** The above is taken from American Society of Plumbing Engineers design guide volume 4 chapter 4**

Thank You for your support!



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Please contact us for in person or virtual lunch & learn jayotto@ottosales.com 804-798-2600

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Note: Chiller sold separately; various options available, based on application



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Aspen White



Midnight

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For Lunch & Learns or more information, contact:

Mike McCarthy | Technical Manager
Mike.McCarthy@Viega.us, (571) 328-1143

Based in the Northern Virginia D.C. Metro area, Mike formerly worked for a fire protection manufacturer and was a volunteer firefighter. Mike holds a Business Degree with a specialization in entrepreneurship and brings strategic business planning to the Viega team.

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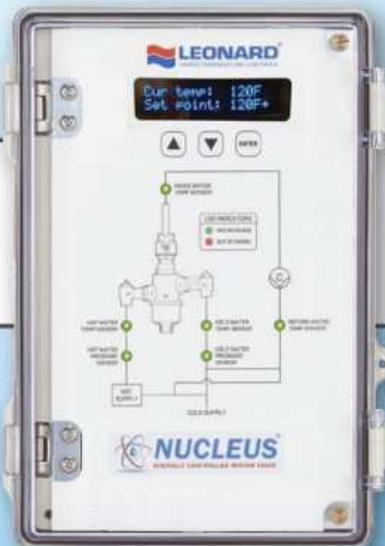
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Per Meeting

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Per Year (8-9 Meetings)

ASPE Member \$450

Non-Member \$550

TALK AROUND THE WATER COOLER...

Check-out these sites for interesting and educational topics & tools to stay up to date!



ASPE Pipeline

News for the Plumbing System Design Industry

1. Share Your Knowledge on ASPE Pipeline

We are currently scheduling technical articles to be published on ASPE Pipeline in 2022. If you would like to contribute, email Editor Gretchen Pienta at gpienta@aspe.org.

2. ASPE Announces the 2022 CPD Review Class

Are you considering taking the CPD exam this year or in the future? Join ASPE for a **three-part virtual class in February** that will help you prepare!

The class will be held from 10 a.m. to 3 p.m. CST on February 5, 6, and 26. Instructor Donald Taylor, CPD, GPD, will review the five exam domains (Gathering Information, Administration, Design, Specifications, and Construction Services), explain key terms and definitions, go over the CPD Study Guide, and answer questions about taking the exam.

The class includes a CPD practice test (a \$50 member value). The cost is \$300 for ASPE members and registration is available at ASPE Education: education.aspe.org/products/2022-cpd-review-class.

3. ASPE Seeks Presentation Proposals for the 2022 Convention & Expo

ASPE's biennial Convention & Expo is the only event designed to enhance the professional development, technical education, and career growth of plumbing system design professionals. To achieve that mission, ASPE seeks expert industry speakers to present nonproprietary technical sessions that address current industry trends and technologies at next year's event. Visit aspe.org/2022-call-for-presentations to submit your presentation for consideration. The deadline to submit a presentation proposal is February 28.

BE SURE TO CHECKOUT THESE COLUMNS FOUND IN PIPELINE EXCLUSIVES SECTION:

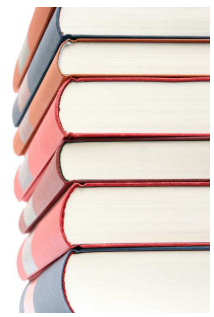
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WHAT ARE AN ENGINEER'S OBLIGATIONS WHEN FREEDOMS INTERSECT?

Anyone who accepts a freedom, license, registration, or any privilege must also accept the duties and responsibilities that go with such considerations. Nothing comes for free, and the payment can be costly for those who do not understand the obligations that go with their actions. Go to [Current Connection](#) to continue reading.

EDUCATION STATION



REMINDER! ASPE revamped their learning platform!! The new site is education.aspe.org. All educational programs and articles have transitioned over to the new site now. If you are looking to earn CEU's and/or enhance your skills and knowledge then this is the site for you! Once in the site Sign in (top right) using your ASPE Connect credentials. If you have not activated your ASPE Connect credentials, go to this link to reset your ASPE Connect password: <https://connect.aspe.org>.

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NO BOOK OF THE MONTH FOR JANUARY & FEBRUARY 2022