

FEBRUARY 2021 NEWSLETTER



An ASHRAE International Premier Chapter

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Upcoming Events/Dates:

Over the past several years, March and April have been months in which your WV ASHRAE Chapter has planned and held day long events. In March we are a co-sponsor of the WV EXPO and in April we provide our Day of Learning (DOL). Due to the continued precautions associated with the COVID-19 pandemic, the WV EXPO has been cancelled, and getting together for our DOL is not possible

However, the WV ASHRAE Leadership has successfully transitioned our meeting and presentation platform to virtual webinars. We have revised our planning for March and April 2021 to include five (5) 1-hour presentations on five different days to reduce the number of hours needed for participation on a single day with numerous presentations. In lieu of our DOL for April, we have renamed this to our Month of Learning (MOL). The upcoming schedule is as follows:

March 11, 2021: Ducted Fan Selection and Optimization (see below), presented by Dustin Meredith, P.E.

March 24, 2021: AEP Smart Meter Program in West Virginia (Learn what's coming), presented by Martin O Seay

April 16, 2021: Operational Improvements and Energy Savings through Retro-Commissioning (RCx) and Monitoring Based Commissioning (MBCx), presented by Jennings Davis, P.E.

April 22, 2021: How and Why of Solar in West Virginia, presented by Charles "Chip" Pickering

April 29, 2021: TBD, but we are working on it!

JOIN **WVASHRAE** for a **FREE** Webinar March 11, 2020 from 12:00 pm - 1:15 pm EDT

Seminar attendees will earn **1.0 PDH** certificate from WV ASHRAE.

Presentation: Ducted Fan Selection and Optimization

This presentation is an overview session that will cover a number of topics involving ducted fans. The selection and optimization topics will be applicable to a number of HVAC systems, from simple terminal systems to highly-engineered applied applications.

Some examples include:

- VAV fan selection
- Modern fan types and arrangements
- Fan and motor optimization
- Current and upcoming regulation
- Common myths and misunderstandings.

Registration details: Registration is not yet open but will be coming soon. An announcement will be sent out once registration is open and will also be posted on our website wvashrae.org

Presenter

Dustin Meredith, P.E. | Lead Systems Development Engineer | Trane



Dustin began his career more than 20 years ago supporting airside products for Trane. Since joining the systems and applications engineering team in 2005, his role has been to develop integrated customer solutions for HVAC products & systems providing a link between the sales, design, and manufacturing organizations. He has specific expertise in fans, acoustics, air system design, and overall system optimization including unitary and variable refrigerant flow systems. Dustin holds multiple patents and has been instrumental in advancing cutting-edge fan and motor applications to the industry. He has authored a wide variety of technical bulletins, white papers, articles, and Trane Engineers

Newsletter LIVE programs that have been widely published.

Dustin is a licensed professional engineer and earned his mechanical engineering and computer science degrees from the University of Kentucky. He continued his education by receiving an MBA from the Gatton College of Business and Economics. Dustin is an active member of ASHRAE having received awards at the local, regional, and society level including the society's Distinguished Service Award. Dustin has been an ASHRAE Section Head and is presently the Chair of the committee that oversees all ASHRAE technical committee activities. He also serves on the "Fans" and "Sound and Vibration" technical committees, including as past Chair of the latter. He is Trane's voting member for Air Movement and Control Association International, Inc. (AMCA) and serves on a number of AMCA committees including instrumental, first edition standards on the Fan Efficiency Grade (FEG) and Fan Energy Index (FEI) metrics.

March Webinar Sponsorship:

Sponsorships of the March 2021 webinars is available to help WV ASHRAE offset the cost of hosting the webinars. We have established the minimum Sponsorship Level for these events to be \$250. Your Sponsorship of our endeavors is greatly appreciated.

Please contact Jennings Davis at c192@ashrae.net to provide the details of your Sponsorship. Your name/company logo will be featured on future Newsletters, on our website and during the presentation.

April Webinar Sponsorship:

Sponsorship of each of our April - Month of Learning webinars will be applied to our 2020 – 2021 RP Fundraising Campaign. The minimum Sponsorship Level is \$250.

To make your RP donation for sponsorship, please visit the online RP donation form at <https://xp20.ashrae.org/secure/researchpromotion/rp.html>, be sure to enter West Virginia under the Chapter field.

Please contact our RP Chair, James Lowry at c192rp@ashrae.net or Jennings Davis at c192@ashrae.net after you have made your donation to let us know you have submitted it or if you have any questions or comments on how to become a Sponsor.

**THE CENTER
FOR GREEN SCHOOLS**



Green Schools Summits

Throughout the month of February 2021, four Green Schools Summits specifically designed for four professional roles will offer authentic connection and motivation. Green schools champions from around the world will have the opportunity to connect with one another and build their skills through virtual summits that rise to the quality and depth that they have come to expect.

For more information, check out their website: [2021 Green Schools Summits in February](#)

NEWS TIDBITS

ASHRAE Epidemic Task Force Releases Updated Building Readiness Guide

The ASHRAE Epidemic Task Force has updated its reopening guidance for HVAC systems to help mitigate the transmission of SARS-CoV-2. The updated Building Readiness Guide includes information and clarifications that help designers and commissioning professionals perform pre- or post-occupancy flush calculations. Major updates to the guidance include: pre- or post- flushing strategy methodology, flushing time calculator, heating season guidance and adjustments to align with core recommendations. [Download the guide.](#) [Read more](#)

State of the Construction Industry - U.S. Construction Spending Hits Record High in December.

In December, construction spending increased 1% to \$1.49 trillion, the highest level since the government started tracking this data in 2002, according to the Commerce Department. Spending on public construction projects gained 0.5%. State and local government outlays rose 0.4%, while federal government spending increased 1.3%.[Read more](#)



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