



# DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE XI | 2023

## CURRENT OFFICERS

### PRESIDENT

**Jennifer Eller**  
jmeller@heapy.com  
Heapy

### PRESIDENT-ELECT

**Kevin Sturm**  
ksturm@uptime-inc.com  
Uptime Solutions

### TREASURER

**Zak Schultz**  
zak.schultz@ferguson.com  
Ferguson Enterprises, Inc.

### SECRETARY

**Mark Mehicic**  
mmehicic@ketchum-walton.com  
Ketchum-Walton

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**November 9th  
in Person**

**Main Presentation: *Challenge Accepted:  
Tackling the Climate Crisis***  
**Presenter: Ginger Scoggins, PE, CEM,  
CxA, ASHRAE President**

**Social Hour: 5:30-5:55 pm**  
**Chapter Business: 5:55-6pm**  
**Dinner & Main Presentation: 6p**

**Presentation will be at: Engineers Club: 110 E Monument Ave**  
**Theme: Student Night / Membership Promotion**  
**(Students are free & Non-members are \$25)**  
**1 PDH Credit**

### Topic of Discussion:

“We are living in a climate emergency. Our desire to be more comfortable has brought us to a place where we need to make uncomfortable decisions. We can accept the challenge of our day regarding the impact of our buildings on the climate crises by equipping our members with the knowledge they need to design and renovate buildings to address the greenhouse gas emissions of our industry.”

Scoggins’ theme highlights the urgency of addressing the climate crisis, examines measures to reduce human impact on the natural environment and offers strategies for making the built environment more resilient and sustainable.

“An understanding of how climate change affects building planning, design, construction and operation is necessary to properly execute projects going forward. ASHRAE is committed to equipping our members with sufficient knowledge and tools, expanding our efforts of designing energy efficient buildings and providing meaningful leadership, action, resources, and advocacy to the global built environment.”

**Please use the Eventbrite link to sign up by November 6th. The link for the November meeting is LIVE. Please register if you plan to attend.**

**<https://www.eventbrite.com/e/742167231167?aff=oddtcreator>**

# FROM THE PRESIDENT

A Big Thank you to all who attended last months meeting with Kishor Khankari, Ph.D. His discussussion “Basics of ACH: Facts vs Fiction” was a interesting topic and I heard a lot of great comments.

On November 9th we will have the honor of meeting with the Society President of ASHARE, Ginger Scoggins. She will be here for a dinner session at the Engineers club as well, so please make sure to sign up!

We are still looking for some young adult to become our next YEA (Young Engineers Association) Chair! Please contact me if you are interested.

Warm Regards,  
*Jennifer Eller*  
President, Dayton ASHRAE

## Upcoming Events

**Oct. 9th**  
ASHRAE Chapter Mtg.  
5:30 PM, Meeting

**Oct. 18th**  
Board of Governors  
8:00 AM, Virtual Meeting

**Nov. 9th**  
ASHRAE Chapter Mtg.  
5:30 PM, Meeting

**Nov. 15th**  
Board of Governors  
8:00 AM, Virtual Meeting

[See Additional  
Events & Volunteer  
Opportunities Here](#)

## CHAPTER HISTORY (1968-1969)

<b>President:</b>	Norman Pleimann	Hughes Bechtol
<b>Vice Pres:</b>	Thomas Ferdelman	Ahart & Assoc.
<b>Secretary:</b>	Glenn Black	Johnson Service
<b>Treasurer:</b>	Richard Pearson	Heapy & Associates
<b>BOD:</b>	Gifford Solem	Johnson Service

**Education:**  
**Research Pro.:**  
**Membership:**

*Meetings held at the Dayton Engineers Club  
CRC held in Cleveland  
Regional Director: Bob Greenwoald*



## Committee Chairs

### **MEMBERSHIP**

**Vincent Caudill**

Vcaudill@ecomfortohio.com  
Environmental Comfort, LLC

### **HISTORY**

**Bryan Schenck**

Brian.Schenck@GoWaibel.com  
Waibel Energy Systems

### **COMMUNICATIONS**

**Nathan Lammers**

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Waibel Energy Systems

### **RESEARCH PROMO**

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Elitaire

### **STUDENT ACTIVITIES**

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University of Dayton

### **CTTC**

**Evan Nutt**

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### **GOVERNMENT AFFAIRS**

**Jennifer Butsch**

Jennifer.butsch@emerson.com  
Emerson

**YEA (Chair)**

## Board of Governors

**Rick Pavlak**

Heapy

**Larraine Kapka**

Sinclair College

**Brian Turner**

Elitaire

# MEMBERSHIP

## New Members

The Dayton Chapter is happy to welcome its newest members. If you see them please give them a warm welcome!

**October: Alec Stapleton & Kevin Riley  
Dr. Badr Tarhuni**



**Do you know a colleague that would benefit from joining ASHRAE?**

You can go to [http://web.ashrae.org/connect\\_a\\_colleague/](http://web.ashrae.org/connect_a_colleague/) and quickly sign up for ASHRAE to send an email to ask them to sign up on your behalf.

## Membership Recognition

We would like to recognize the following members who have been with ASHRAE for the following years! Thank you for all your contributions to the field!

**15 Years: Marc Scancarello & Jeremy Fauber**

**25 Years: Carl Brown**



## **Membership Promotion Committee**

Looking for a way to get involved with your local ASHRAE chapter and meet new people? The membership promotion committee is looking for volunteers to join the committee. The committee's primary responsibility is to recruit new members and retain existing members. If you are interested in serving please contact **Vincent Caudill** at [vcaudill@ecomfortohio.com](mailto:vcaudill@ecomfortohio.com) or by calling 740-971-7795.

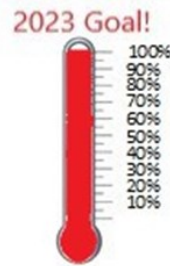
**Membership Application Here**

# ASHRAE RP

Thank you to those who have made an early donation to the ASHRAE RP 23-24 campaign. As expected, ASHRAE has not changed the goals for the Dayton ASHRAE RP campaign. We need your support to help us reach \$20,000. For those looking to help, please consider donating to ASHRAE RP / Education / Scholarships. See the link BELOW to donate today!

Please note again that in order to be recognized with a commemorative coin, and have your name published in the ASHRAE Journal, the minimum donation is \$150 for individuals and \$500 for Corporate Donors .

2022 Goal = \$ 19,680  
YTD = \$ 450  
To go = \$ 19,230



% to 2023-24 GOAL: 2%

## Partner Level

## Honor Roll

## Bronze Level

Lorraine Kapka  
Steven Meier  
Brian Turner

## Silver Level

## Honorable Mention

Thanks for all your help and support. If you would like to donate NOW simply click this link:

## DONATE NOW

And make your donation to help ASHRAE in its Research Efforts. Thank you so much!!



# Government Affairs

It is with distinct pleasure to have our own Jennifer Butsch (whom is also the Chair for Government Affairs of the ASHARE Dayton Chapter) be recognized as one of the 2023 Top Women in HVAC. The News (Air Conditioning | Heating | Refrigeration) magazine highlighted Jennifer for her experiences and efforts as Director, Regulatory Affairs at Copeland. Way to go Jennifer!! Please take a moment and read the full article that was published, and if you see Jennifer, please congratulate her for this great honor.

<https://www.achrnews.com/articles/153720-2023-top-women-in-hvac-jennifer-butsch>



## Jennifer Butsch

**Title:** Director, Regulatory Affairs

**Company:** Copeland

**Educational Experience:** B.S. in Biomedical Engineering from Wright State University and MBA from University of Phoenix

**Industry Work Experience:** Copeland (Formerly Emerson's Climate Technologies business): Director, Regulatory Affairs, 2017-present; Dayton ASHRAE: Government Affairs Chair, 2023-24; serves on several AHRI committees, including as Vice Chair of State Government Affairs Committee





# ASHRAE News

The Dayton Chapter looking for a Young adult to fill the position Of YEA (Young Engineers) Chair position.



Shaping Tomorrow's  
Built Environment Today

Please make sure to let us know  
If you are willing to help our and  
Share your ideas to help  
Shape the world of HVAC-R!

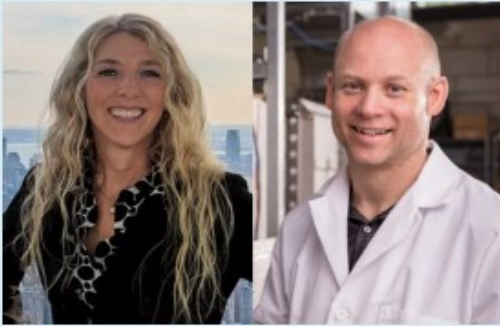
You can email Jennifer Eller at  
[jmeller@heapy.com](mailto:jmeller@heapy.com)

## ASHRAE JOURNAL



Podcast

### Episode 28: Where There's Smoke, There's HVAC



Daniel Bourque, Greg Nilsson, and Dr. Rebecca Schmidt discuss ASHRAE Guideline 44P, *Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events*, and how wildfire smoke impacts buildings, people and public health.

*Left, Dr. Rebecca Schmidt; Greg Nilsson*

[Listen](#)

### ASHRAE Job Board

**Principal Automation Control Engineer** Johnson & Johnson; Jacksonville, Fla.

**Senior Manager of Standards** ASHRAE; Peachtree Corners, Ga.

**Project Manager/Senior Project Manager** Watry Design, Inc.; Long Beach, Calif.

**Director of Engineering Services** Little Rock Water Reclamation Authority; Little Rock, Ark.

**Senior Geotechnical Engineer (10+ Years Experience)** Holt Engineering, Inc.; Austin, Texas

**Commercial HVAC Sales Manager/Cooling Tower Subject Matter Expert** RT Forbes Company; Danvers, Mass.

**Senior Electrical Engineer** Pegasus TSI; Tampa, Fla.  
**Electrical Controls Specialist** Bimbo Bakeries USA; Albany, N.Y.

**Sr. Electrical Design Engineer** Nextracker; Fremont, Calif.

**Research Associate in Electrical and Computer Engineering** University of VA; Charlottesville, Va.

[View All](#)

# ASHRAE News

## 2024 ASHRAE Conference for Integrated Design, Construction & Operations

June 24-26, 2024 | Indianapolis, IN



### ASHRAE Seeks Presentations for 2024 Conference for Integrated Design, Construction and Operations

#### Decarbonization Challenge: Apply soon!



This is a year-long competitive grant (\$1,000 - \$10,000) program to implement decarbonization projects within local chapters. The intent is to provide funds to encourage and demonstrate building decarbonization at the Chapter level which will be financially supported by Society. **Application closes November 30th!**

>> Apply & learn more at [ashrae.org/decarbchallenge](https://ashrae.org/decarbchallenge).

#### Questions? Attend the Upcoming Webinar For Answers!

October 12, 2023 at 9am EST

This webinar will begin with a brief summary of the Decarb Challenge Fund, and then walk through an in-depth explanation of the application, review, award, and implementation of the Challenge Fund. Participants will also have the opportunity to ask questions of the review committee. The meeting will also be recorded for applicants who are not able to attend. If you would like more information on the Decarbonization Challenge or apply, click [here](#).

If you would like to attend the Decarb Challenge Q & A Session, please complete this [registration form](#). Questions can be sent to [youngengineers@ashrae.org](mailto:youngengineers@ashrae.org).

# ASHRAE News

## **Building Materials and the Climate: Constructing a New Future**

Building materials are set to dominate climate change with the rise of urbanization, and policy action is urgently needed to shift building material life cycles toward regenerative methods. This report, developed in collaboration with the [United Nations Environmental Programme \(UNEP\)](#), focuses on three urgent pathways for stakeholders seeking to decarbonize, including avoiding the extraction and production of raw materials by galvanizing a circular economy, shifting to regenerative material practices wherever possible and improving methods to radically decarbonize conventional building materials. [Read more](#)

## **NYC Building Decarbonization Law Faces First Major Test**

Local Law 97, New York City's multistage effort to rein in carbon emissions from its big buildings, is facing its first major test. New York City Mayor Eric Adams has proposed guidelines for how owners of the worst performing buildings can comply with the law's mandate to curb emissions by 2024. Next year, the city will begin imposing fines on buildings that haven't reduced their emissions below certain thresholds, with even steeper cuts and rising fines to come in 2030 and 2040. [Read more](#)

## **GSA Buys American-Made Sustainable Glass for Virginia Courthouse**

During [Climate Week](#), the U.S. General Services Administration awarded a \$5.3 million option to buy windows made of low embodied carbon glass included in an existing \$16.5 million renovation project at the Lewis F. Powell Jr. U.S. Courthouse in Richmond, Virginia, as part of President Biden's Investing in America agenda. This first procurement of low embodied carbon materials and GSA's LEC pilot are a part of President Biden's [Federal Buy Clean Initiative](#), which promotes the use of clean construction materials made in the U.S. in federally funded projects. [Read more](#)

## **Colorado Mandates Building Energy Performance Standards Despite Criticism**

Colorado's Air Quality Commission has established [new energy performance standards](#) for large buildings to achieve greenhouse gas emissions reductions for certain commercial, multifamily and public buildings. The standards require buildings measuring 50,000 ft<sup>2</sup> and larger to meet certain targets for energy use or emissions reductions to achieve building sector-wide carbon emissions reductions of 7% by 2026 and 20% by 2030 from a 2021 baseline. [Read more](#)



# ASHRAE News

## Are Microsoft's Data Centers Going Nuclear?

Microsoft stirred up interest in the data center industry when they recently listed a job for a nuclear technology program manager, indicating that the company is planning to integrate small nuclear reactors into its power systems for data centers. The posting said that the new nuclear expert “will maintain a clear and adaptable roadmap for the technology’s integration,” and have “experience in the energy industry and a deep understanding of nuclear technologies and regulatory affairs.” [Read more](#)



## U.S. Air Force Pioneering Innovative Geothermal Energy Solutions

The U.S. Department of the Air Force has signed agreements for geothermal energy prototype facilities at Mountain Home Air Force Base, Idaho, and Joint Base San Antonio, Texas. When operational, the new facilities will deliver continuous clean energy for direct consumption at the installations. The agreements with the geothermal company at Mountain Home AFB and Eavor Inc. at Joint Base San Antonio are a significant milestone toward achieving Air Force energy resilience goals. The geothermal prototypes hold the potential to furnish a seamless supply of clean reliable baseload energy, even in the face of grid outages. [Read more](#)

## ASHRAE Leads the Way in Public Health Standards with Groundbreaking Resource

ASHRAE is a leader in developing guidance proven to safeguard public health. As the world grapples with a resurgence of COVID-19, along with the spread of flu and RSV, the importance of clean air flow in buildings has never been more critical. Now, the Society’s pioneering resource, [ASHRAE Standard 241, Control of Infectious Aerosols](#), provides building owners, operators and professionals the ability to proactively protect indoor environments during this fall and winter virus season. [Read more](#)

## ASHRAE JOURNAL Podcast

### VRF Basics & Proper Installation Techniques

Kelley Cramm, P.E., Life Member ASHRAE, and Drew Champlin, Editor of *ASHRAE Journal*, discuss the basics of VRF systems and how to keep them from failing. Learn more on installation practices and how engineers and contractors can ensure owners are getting a quality installation.

*Kelley Cramm, P.E., Life Member ASHRAE*

Listen



# ASHRAE News

When your colleague joins ASHRAE as a full dues paying member by Nov. 30, and enters your email address as the referring member on the join form, you will be shipped one FREE ASHRAE Pocket Guide.

Invite your colleague however you'd like, as long as they enter your email address as the referring member when joining at the full dues rate, by Nov. 30, you'll get a free ASHRAE Pocket Guide shipped to the address we have on file.

We recommend [Connect-a-Colleague](#) to quickly send a pre-written, customizable email invitation.



ASHRAE  
Connect-a-Colleague  
to join for a  
**FREE**  
**ASHRAE**  
**Pocket Guide**

ASHRAE  
POCKET GUIDE  
for  
Air Conditioning, Heating,  
Ventilation, Refrigeration

Make a positive impact in a colleague's life, help strengthen the Society, and get a free ASHRAE Pocket Guide. It's a win-win-win.

**Connect-a-Colleague**



Virtual courses at your fingertips  
Education on your own schedule  
Earn PDHs  
Group discounts

ASHRAE

**ASHRAE has new and updated courses for you!**

Are you ready to take your HVAC expertise to the next level? Look no further! ASHRAE's updated "Fundamentals: HVAC Systems IP" eLearning program will empower you with the essential knowledge and skills you need.

We're excited to offer you an exclusive, limited-time discount that you won't want to miss!

### Here's Your Special Fall Offer:

Use **NEWFUNDAMENTALS2023** to get a 20% discount off your purchase on the course package until October 31, 2023.

For groups of 3 – 10 people, email [elearning@ashrae.org](mailto:elearning@ashrae.org) to receive an exclusive 30% group discount. For groups of over 10 people, email [elearning@ashrae.org](mailto:elearning@ashrae.org) to receive a customized discount package.

**Enroll Now**

# ASHRAE News

2024 ASHRAE WINTER CONFERENCE  
JANUARY 20-24, 2024 | CHICAGO, ILLINOIS



## Register Now for the 2024 ASHRAE Winter Conference in Chicago

Registration is now open for the [2024 ASHRAE Winter Conference](#), to be held from January 20-24, 2024, in Chicago. The conference will provide attendees with the opportunity to learn about the latest technology in the built environment, as well as network with other professionals in the industry.

In addition to the conference, registration also includes entry to the co-sponsored [AHR Expo](#), which will be held from January 22-24, 2024, at McCormick Place. The AHR Expo is the world's largest HVAC&R marketplace, featuring over 2,000 exhibitors and attracting more than 60,000 attendees from around the world.

"We are thrilled to host the 2024 ASHRAE Winter Conference and AHR Expo in Chicago," said 2023-24 ASHRAE President Ginger Scoggins, P.E., Fellow ASHRAE. "Chicago, with its rich history and vibrant communities, is the ideal location for these cornerstone events to the built environment industry. The Winter Conference and Expo provide a great opportunity for experts, innovators and professionals from around the world to explore new concepts and trends, exchange knowledge and continue our mission of shaping a sustainable future for all."

The ASHRAE Winter Conference technical program will feature over 80 technical sessions. Attendees will also have the opportunity to earn professional development hours (PDHs) and continuing education units (CEUs) for attending technical sessions. The full technical program will be available later this year.

In addition to offering a number of social events, recognitions and networking opportunities, ASHRAE will conduct business, committee and technical meetings leading up to and during the conference. President Scoggins will provide an update on the 2023-24 Society theme, "*Challenge Accepted: Tackling the Climate Crisis*."

The cost to attend the conference in-person is \$755 for ASHRAE members (\$1,010 for non-members, which includes an ASHRAE membership for one year). Early bird discounts are available for registrations completed prior to November 26. Company packages are available. Please check the conference webpage for additional pricing. All registered attendees, both in-person and virtual, will have access to the virtual conference platform during the conference and 12 months post-conference.