



DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE VI | 2023

CURRENT OFFICERS

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Emerson Swan, Inc.

PRESIDENT-ELECT

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SECRETARY

Kevin Sturm

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Uptime Solutions

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&

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Us on
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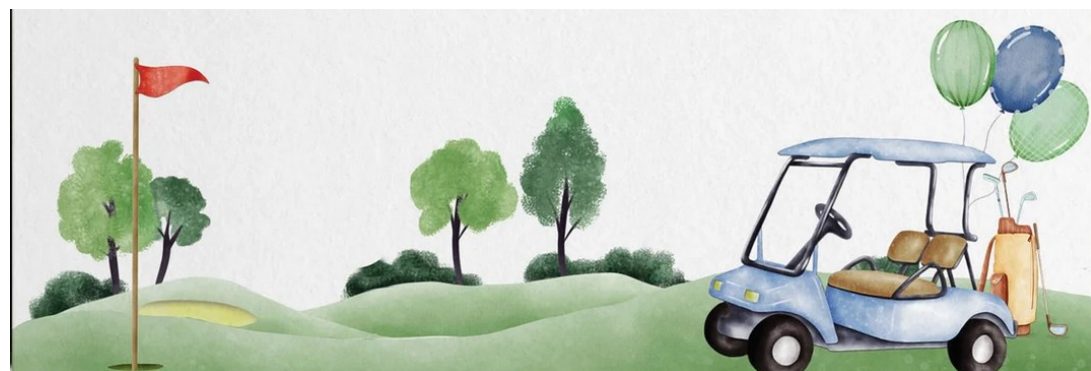
ASHRAE **Golf** **Outing** **2023**

To All of you and our Sponsors:



Trane
Point2Point
Solid Blend

Save the date for:
May 24, 2024!



FROM THE PRESIDENT

Thank you to everyone that joined us for our chapter golf outing. WE had another successful year at Pipestone Golf Club. Thank you to Mike Weismann for doing a great job organizing this year's outing. Thank you to everyone that helped with the event. Thank you to all of our event and hole sponsors.

The ASHRAE Region V Chapter Regional Conference is being held this year in Akron, Ohio. This year's conference is being held July 27th – 29th.

We have positions available if anyone is interested in getting involved with the Dayton Chapter. Please reach out to a member of the board if you are interested in getting involved with the Dayton ASHRAE Chapter..

Thank you, *Matt Dill* – President, Dayton ASHRAE

Upcoming Events

March 15th

Board of Governors
8:00 AM, Virtual Meeting

March 16th

ASHRAE Chapter Mtg.
11:30 AM, Hybrid Meeting

April 19th

Board of Governors
8:00 AM, Virtual Meeting

April TBD

ASHRAE Chapter Mtg.
—, Hybrid Meeting

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

CHAPTER HISTORY (2002-2003)

President:	Russ Marcks	Sinclair Community Coll.
Vice Pres:	J. Bart Grunewald	Heapy Engineering
Secretary:	Loren Free	Rieck Mechanical
Treasurer:	Mike Kirchens	Dayton Trane
BOD:	All officers & Committee Members	
Education:	Russ Marcks	Sinclair Community Coll.
Research Pro.:	Dennis Lammlein	Babcock & Wilcox of OH
Membership:	Brian Isaacs	York International

Regional Director: Jim Escamelia

Meetings were held at the Dayton Engineering Club.
CRC was held in Evansville, Indiana

Awards Received: PAOE, Honor Roll & Full Circle

Committee Chairs

MEMBERSHIP

Vincent Caudill

Vcaudill@ecomfortohio.com
Environmental Comfort, LLC

HISTORY

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Emerson

YEA (Chair)

Phillip Reid

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Heapy

Board of Governors

Rick Pavlak

Heapy

Lorraine Kapka

Sinclair College

Jennifer Eller

Heapy

MEMBERSHIP

New Members

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

May: Bryan Allen



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

You can go to 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!

5 Years:

Craig Buschur

15 Years:

David Crosley

40 Years:

Terrance Liette



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 or by calling 740-971-7795.

Membership Application Here

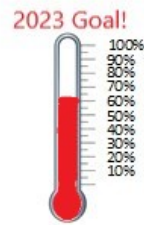
ASHRAE RP

Its hard to believe that summer is right around the corner. The start of summer is a reminder that our ASHRAE year is nearing the end. Thank you to everyone have contributed this year. We are looking to make a final push to complete our 22-23 campaign. With your help, we can still meet our goals. For those looking to contribute, 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 .

2021 Goal = **\$ 19,680**
YTD = **\$ 14,900**
To go = **\$ 4,780**

% to GOAL: **76%**



Partner Level

Emerson

Honor Roll

Steve Meier
Lorraine Kapka
Brian Turner
Jennifer Eller
Evan Nutt
Bryan Schenk
Matt Dill
Rick Pavlak
David Crosley
Jeremy Fauber
Kyle Schroeder

Bronze Level

Russell Marcks
Uptime Solutions
Sam Tobias

Silver Level

Dave Waibel

Honorable Mention

Zak Schultz
Kort Kugel
Vincent Caudill

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!!



ASHRAE News

The Dayton Chapter is always looking for creative individuals
To help volunteer for different positions or events.

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!

welcome
TO THE
TEAM

NEW! Tech Hour #6: Emotional Intelligence
Presented by Karine Leblanc



Watch Now in the ASHRAE 365 App
App Store | Google Play

Join Karine as she discusses how to use EQ to become a better person professionally and personally. This Tech Hour will cover why emotional intelligence (EQ) is so important, the four core EQ skills, and strategies to improve your EQ.

High Performance Building Week is June 12 – 16

High Performance Building Week was created by a coalition called the High Performance Buildings Coalition, which is comprised of approximately 200 organizations and serves to inform policymakers of the impact high performance buildings have on communities.

A week-long series of scheduled events will support the development of innovative policies and legislation to improve resiliency, workforce development, energy and water efficiency. Success stories of organizations, industries and individuals committed to achieving high performance buildings will be highlighted during the week. You can learn more about the High Performance Buildings Coalition, and High Performance Building Week [here](#).

We encourage ASHRAE members to reach out to their governors, mayors, county executives, and city councils to solicit proclamations recognizing High Performance Building Week; we will feature such proclamations in the upcoming editions of our Government Affairs update. A template proclamation and form letter can be found [here](#).

HUD, FHA, and USDA Update Energy Standards for Housing and HUD Releases New Funding

The U.S. Department of Housing and Urban Development (HUD), the Federal Housing Administration (FHA) and the U.S. Department of Agriculture (USDA) are proposing to adopt updated energy codes, including ASHRAE Standard 90.1-2019, for residential projects. The proposal is a major improvement, as HUD is leapfrogging its energy codes from the 2007 version of ASHRAE Standard 90.1 to the 2019 update. Per analysis from HUD, this proposal is expected to result in savings of **over 35% in lower energy costs**. HUD will also prioritize the use of lower-embodied carbon building materials, and will use energy benchmarking to help ensure the energy codes are being implemented properly. In addition, HUD is releasing more than \$830 million for its Green and Resilient Retrofit Program and \$4 billion in loan commitments for this new program. For more information, please visit [this page](#).

DOE Posts Notice of Intent to Invest in Energy Efficient Buildings for Community Nonprofits

The Office of State and Community Energy Programs (SCEP) recently published a [Notice of Intent \(NOI\)](#) to issue a Funding Opportunity Announcement (FOA) for the [Renew America's Nonprofits](#) grant program, a \$50 million competitive program promoting energy efficiency in nonprofits across America.

Grant funds from this program will support the installation of materials to reduce energy or fuel use in buildings owned and operated by 501(c)(3) nonprofits, decreasing utility costs, reducing carbon emissions, and redirecting savings toward mission-critical services. The FOA is anticipated to be released in May 2023.

ASHRAE News

A promotional banner for the 2023 ASHRAE Annual Conference. The left side has a blue background with white text: "2023 ASHRAE Annual Conference" with a palm tree icon, "June 24-28, 2023 Tampa, Florida", and a "Register Today!" button. The right side shows a photograph of a modern city skyline at dusk with the ASHRAE logo in the top right corner.

2023 ASHRAE Annual Conference

June 24-28, 2023
Tampa, Florida

Register Today!

ASHRAE

ASHRAE is headed to **Tampa, FL** for the [2023 ASHRAE Annual Conference](#). Join us as we welcome new Society Officers, kick back at social events, and explore solutions to the demands of our ever-changing industry. Register before April 30 for the best rates.

The conference is organized by ASHRAE, American Institute of Architects (AIA), International Facility Management Association (IFMA), APPA and Building Owners and Managers Association (BOMA).

“The goal of this conference is to bring persons who work in all aspects of building design, construction, operation, ownership and management into the same room to address how the building industry as a whole can improve the impact buildings have on the global climate crises,” said ASHRAE President-Elect Ginger Scoggins. “Since building design, construction and operation contribute close to 40% of total global emissions of carbon, it is imperative that we all work together to develop a path forward to address our impact”.

The deadline to submit is May 1, 2023. If accepted, presentations will be due September 01, 2023. All speakers are expected to present their work in person at the conference venue. Learn more about the conference at ashrae.org/2023BuiltEnvironment.

A promotional banner for the 2023 Decarbonization Conference for the Built Environment. The top half has a blue background with white text: "2023 Decarbonization Conference for the Built Environment", "October 25-27, 2023", and "Renaissance Arlington Capital View Washington D.C. Metro Area". Below this is a green bar with "Submit a Proposal" in white. The bottom half has a dark blue background with white text: "Industry Leaders Seek Presentations for 2023 Decarbonization Conference for the Built Environment". The right side features a stylized city skyline with a prominent dome building.

2023 Decarbonization Conference for the Built Environment

October 25-27, 2023

Renaissance Arlington Capital View
Washington D.C. Metro Area

Submit a Proposal

Industry Leaders Seek Presentations for 2023 Decarbonization Conference for the Built Environment

ASHRAE News

Water Leak at Paris Data Center Causes Fire, Leads to Outages at Google



A Global Switch data center in Paris caught fire, causing Google services in Europe to go down. The fire appears to have been caused by a cooling system water pump failure that caused water to leak into the battery room, sparking a fire. Customers impacted include government websites and services run by Courbevoie, Lille, Saint-Brieuc, Cannes and the department of Saône-et-Loire. Lyon Aéroports' website was also impacted, along with sites run by French consulates and embassies. The extent of the damage is not yet known. [Read more](#)

Airbnb to Help Some Hosts Pay for New Heat Pumps

Airbnb has a new program to help hosts slash carbon pollution by offering them cash rebates to weatherize and electrify their vacation-rental homes—available, for now, in Massachusetts. While Airbnb successfully launched similar programs in the U.K. and France in 2022, this is the first of its kind in the U.S. The incentives from Airbnb include up to \$500 for energy-efficiency upgrades, such as insulation, and up to \$2,000 for air-source heat pump installations. The rebate program is the latest step Airbnb has taken to carry out its stated commitment to decarbonization. [Read more](#)

Court Throws Out Berkeley, California's Ban on Natural Gas

On April 17 a federal appeals court overturned Berkeley, California's first-in-the-nation ban on natural gas in new construction, agreeing with restaurant owners who argued the city bypassed federal energy regulations when it approved the ordinance. A lawsuit by the California Restaurant Association claimed the regulation violated federal law that gives the U.S. government authority to set energy-efficiency standards for appliances such as stoves, furnaces and water heaters. The Ninth U.S. Circuit Court of Appeals in San Francisco rejected a lower court judge's decision two years ago that had upheld the Berkeley ordinance. [Read more](#)

Study: Sustainable Cooling with Water Generation

A fivefold increase in cooling-related greenhouse gas emissions is expected by 2050 from a combination of improved standards of living, especially in countries with humid climates, and the ongoing overall warming of the planet. Alternative approaches to efficient cooling are needed to meet these needs. A potentially important strategy is found by looking at the small water droplets that emerge on cold surfaces. Although conventional chillers are becoming more efficient, integrating a passive radiative cooling strategy in which the sky is used as a cold sink could not only improve performance but also produce fresh water. This may help with cooling and potentially also with water scarcity issues in many regions of the world. [Read more](#)

IEA: Italy's Progress on Energy Efficiency Provides Foundation for Energy, Climate Goals

Italy in 2022 reduced its reliance on Russian natural gas imports by signing new contracts with alternative suppliers and making use of the pipeline and liquified natural gas infrastructure that it has built up over the last decade. According to a new in-depth policy review by the IEA, Italy is on track to meet its national emissions reduction and energy efficiency targets for 2030. Reducing overall demand for natural gas through an accelerated shift to alternative energy sources and a stronger focus on energy efficiency, especially in the building sector, will not only further strengthen energy security, but also help Italy meet its climate targets. [Read more](#)

Cybersecurity for Building Automation Systems

This article explains how to design a robust cybersecurity plan for safeguarding commercial buildings against computer and network vulnerabilities, ranging from basic structures like gas stations and supermarkets, to critical infrastructure, i.e., hospitals, military facilities and data centers. [Read more](#)

Changes to Envelope Requirements in ANSI/ASHRAE/IES Standard 90.1-2022

The first in a series of monthly articles on the latest edition of ANSI/ASHRAE/IES Standard 90.1, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings. This month's article will cover several changes that were introduced to the envelope requirements of Standard 90.1-2022. [Read more](#)

ASHRAE, The International Code Council Seeking Comments on Greenhouse Gas Emissions Evaluation Standard

ASHRAE and the International Code Council announced that an advisory public review is open for a proposed joint greenhouse gas (GHG) evaluation standard. Proposed ASHRAE/ICC Standard 240P - *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation* is open for comment from April 21, 2023 to May 21, 2023. Drafts are posted and comments can be made at osr.ashrae.org. The purpose of Standard 240P is to provide a methodology to quantify and document GHG emissions associated with buildings, building systems and equipment over their life cycle. [Read more](#)

ASHRAE Responds to EPA RFI on Embodied Carbon

ASHRAE submitted comments on Sections 60112 and 60116 of the Inflation Reduction Act (IRA) related to environmental product declarations (EPDs) and labeling for embodied carbon in construction materials. On January 19, the Environmental Protection Agency (EPA) issued a Request for Information (RFI) to *Support New Inflation Reduction Act Programs to Lower Embodied Greenhouse Gas Emissions Associated with Construction Materials and Products*. Some of the recommendations ASHRAE made include:

- Consider developing a central repository for HVAC&R emissions-related data;
- Refer to ASHRAE/ICC Standard 240, *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation*; and
- Consider mechanical, electrical and plumbing (MEP) systems when formulating Product Category Rules (PCRs) and EPDs.

A copy of the comments submitted by ASHRAE can be found [here](#).

ASHRAE News



Metraloop® U-Loop® Expansion Joint

Unlike multiple grooved components assembled on site from available parts, the Metraloop expansion joint is pre-assembled, 100% pre-tested joint, ready to meet your specifications for movement. Installed in thousands of piping systems around the world, it comes in a variety of sizes and in movements from as little as 1 ½ inches, plus custom designs to accommodate modest to extreme movement requirements. It is simple to install. One hanger, two connections. Done.

ASHRAE Job Board

Mechanical Engineer (PE or EIT) DeVita & Associates Inc; Charlotte, N.C.

Senior Mechanical Engineer/Project Manager Systems West Engineers; Springfield, Ore.

Gear and Mechanical Drivetrain Engineer Crown Equipment Corporation; New Bremen, Ohio

HVAC Technician CGL Companies; Atlanta, Ga.

Senior Director - Plant Operations and Maintenance - Long Island University Aramark; Brookville, N.Y.

Electrical Engineer Dunham-Bush; Homestead, Fla.

Director of RHVAC Engineering City Building and Engineering Services; Burlington, Mass.

Central Energy Plant Engineer Cornell University; Ithaca, N.Y.

Project Manager/HVAC Design Engineer Winona Heating & Ventilating Co.; Rochester, Minn.

Building Service Engineer - Hiring for 4 positions California State University; Long Beach, Calif.

[View All](#)



Are Two ACHs Enough? With Austin Barolin

Austin Barolin, Associate Member ASHRAE, and Technical Editor Rebecca Matyasovski discuss Barolin's article in the May issue of *ASHRAE Journal*. The article covers hospital air quality-based ventilation for hospital energy conservation and why two air changes per hour may be as good as 12.

Click [here](#) to read the article.

Listen