



DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE X | 2021

CURRENT OFFICERS

PRESIDENT

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Victaulic

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Jennifer Eller

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Heapy

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Trent Hayden

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Energy Optimizers, USA

SECRETARY

Zak Schultz

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Find Us on



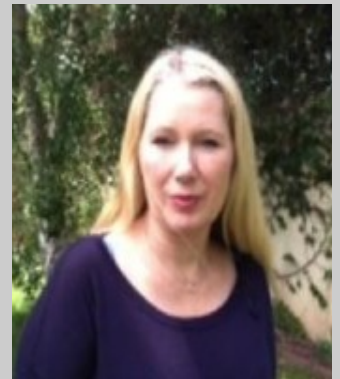
&



Us on
Facebook

October 13th New and Improved Meeting!!!

Chapter meeting are now on Wednesday's and you have a choice to join in person or virtual!!



Main Presentation: More than a Boost to your Bottom Line
Presenter: Marti Ogram,
Director of Automation sales, Turntide Technologies

Social Hour: 11:30 AM to 11:45 AM

Chapter Business/Instructions: 11:45 AM—Noon

Main Presentation: Noon

Topic Description:

You are likely facing increasing urgency to reduce energy costs and become more sustainable. You know the stats on energy-intensive building operations. But what can you do about it? Join us to learn how you can rethink sustainability - not only to reduce costs, but also to lower emissions and stay in compliance. We'll discuss:

- Trends and motivators impacting sustainable building operations, including heightened focus on indoor air quality and inconsistent occupancy due to COVID
- Why modernization and building automation are critical, especially in uncertain times
- What's possible with sustainability technology

Please email Vincent Caudill at vcaudill@ecomfortohio.com or by calling 740-971-7795 to **sign up by October 11th**. Please indicate if you are joining in person or by zoom. The meeting information will be sent out closer to the meeting date.

With this months meeting being hybrid, we appreciate your understanding while we work out any bugs on the technology side of things. We look forward to seeing everyone soon!

FROM THE PRESIDENT

Thank you to everyone that who attended our first YEA event of the year. It was a well attend-ed event and we appreciate everyone's support.

We are hosting our first meeting of the year at the Engineer's Club on Wednesday, October 13th. Marti Ogram is presenting on Rethink Sustainability: More Than a Boost to Your Bot-tom Line. This event is being offered in person as well as virtually. We hope you are able to join us!

If you are looking to get involved with ASHRAE, please reach out to any of the board members or committee chairs.

Thank you,

Matt Dill – President, Dayton ASHRAE

Upcoming Events

Oct 13th

ASHRAE Chapter Mtg.
11:30 AM, Virtual Meeting

Oct 20th

Board of Governors
8:00 AM, Virtual Meeting

Nov 10th

ASHRAE Chapter Mtg.
11:30 AM, Virtual Meeting

Nov 17th

Board of Governors
8:00 AM, Virtual Meeting

Dec 8th

ASHRAE Chapter Mtg.
11:30 AM, Virtual Meeting

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

CHAPTER HISTORY (1964-1965)

President:	Tom Monnig	Schweiger & Heapy
Vice President:	Cecil York	Hughes Bechtol
Secretary:	John Patterson	Trane Company
Treasurer:	Gifford Solem	Johnson Sevices

Regional Director: William Taylor

Meetings were held at the Dayton Engineers Club.
CRC Held in Cincinnati
Dinner dance at Pappy's Kitchen (Barnsider)

Committee Chairs

MEMBERSHIP

Vincent Caudill

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Environmental Comfort, LLC

HISTORY

Bryan Schenck

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GOVERNMENT AFFAIRS

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YEA (Chair)

Phillip Reid

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Heapy

Board of Governors

Rick Pavlak

Heapy

Lorraine Kapka

Sinclair College

Evan Nutt

Elitaire

MEMBERSHIP

New Members

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

September

Graham Hunter



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

Jennifer Eller



10 Year

David Rickey

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

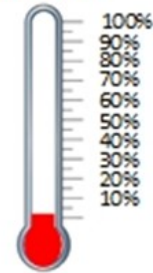
As of right now our goal has not been officially set, but we are believing it will be \$20,000 +. ASHRAE has not yet posted our donations for the year ending in June of 2022, but we know that the Board of Governors is making its pledges for the year, and it looks, even now, that we will again crush our goal in June of 2022!! BUT... right now we have a long way to go. 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.

IMPORTANT: One change that you need to know about: To achieve "Honor Roll" status this year the minimum donation level is \$150. Honor Roll means that your name is published in the ASHRAE Journal, and you receive a Commemorative Gold Coin of a Refrigeration or HVAC Pioneer. We appreciate all donations and a donor your name will appear as a donor in our local newsletter.

2021 Goal = **\$ 20,000**
YTD = **\$ 1,800**
To go = **\$ 18,200**

% to GOAL: **2%**

2022 Goal!



Partner Level

Honor Roll

Bronze Level

Steve Meier
Tom Mastbaum
Evan Nutt
Brian Turner
Lorraine Kapka
Trent Hayden
Russell Marcks

Honorable Mention

Keith Strayer

Silver Level



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

YEA News: Thank you to all those who were able to come out to our first Networking Event of the year on Thursday, September 16, 2021 at Eudora. We hope you can join us on the next go-around if you were unable to attend. We are planning to have a couple more spaced throughout the operating year, so stay on the lookout. One future engagement that is gaining a lot of traction right now, is a collaboration initiative with the Cincinnati YEA group...looking forward to bringing this opportunity to fruition. Until next time... **YEA Chair—Phillip Reid**



Helping Engineers Harness Natural Ventilation's Potential

Natural ventilation has the potential to decrease a building's energy use and increase thermal comfort, but design engineers need more information to achieve these goals. To help, the *ASHRAE Design Guide for Natural Ventilation*, written by Erin McConahey, P.E., HBDP, Fellow ASHRAE, and Peter Simmonds, Ph.D., Fellow/Life Member ASHRAE, assists owners, architects, engineers, facilities personnel and building design professionals to explore the feasibility of natural ventilation for their project during the early phases of design.

[Read more](#)

On the Way to Decarbonization

Advances in technology make heat pumps an option for use in most U.S. cities. An article in the September edition of *ASHRAE Journal* explores these systems as one way building decarbonization can transform the HVAC industry, and a column discusses key drivers toward reducing global carbon emissions. Access the newest edition [here](#).

Building Performance Analysis Conference:

REGISTER NOW for the 2021 ASHRAE Building Performance Analysis Conference in Denver, CO!

Attend the 2021 ASHRAE Building Performance Analysis Conference and learn how to make better decisions during the simulation and modeling process of an entire building life cycle.

This will be ASHRAE's first hybrid conference! Virtual attendees will have access to live sessions, participate in speaker Q&A as well as interact with all conference attendees

[CLICK ON PICTURE TO THE RIGHT.](#)



ASHRAE News



Natalie MacDonald
President, Triangle ASHRAE Chapter

Natalie MacDonald, PE, ASHRAE member and President of the Triangle Chapter, was recently appointed to the State Building Code Council in North Carolina. Due to Natalie's passion for energy and sustainability, a Council member asked her to apply for the Council position, and she also received recommendations for the position from other ASHRAE members as well as the North Carolina Sustainable Energy Association and the Building Performance Association. In her current term until 2027, she will be Chair of the Mechanical Ad-Hoc and Standing Committee, and also serve on the Fire Code and Energy Standing Committees. Congratulations Natalie on your appointment to the Council!

ASHRAE Past-President Chuck Gulledge Speaks at DOE Webinar on Evolution of Commercial Buildings

On September 23, ASHRAE President Charles E. Gulledge III (SY 2020-21) spoke at a webinar hosted by the U.S. Department of Energy. The webinar focused on the "Evolution of Commercial Building Design and Construction." To view a recorded copy of the webinar, you must register [here](#).

EPA Issues Final Rule for the Phasedown of HFCs

On September 23, 2021, the U.S. EPA issued its [final rule](#) for the phasedown of HFCs, which is titled, "Phasedown of Hydrofluorocarbons: Establishing the Allowance Allocation and Trading Program under the American Innovation and Manufacturing Act." This final rule was issued under the authority of the American Innovation and Manufacturing (AIM) Act of 2020 to address the production and consumption of hydrofluorocarbons (HFCs), which are potent greenhouse gases commonly used in refrigerators, air conditioners, and many other applications. The rule codifies the phasedown schedule, establishes a method for issuing and trading allowances, and forms a compliance and enforcement system. [ASHRAE supported the legislation](#) that authorized the regulations, which are expected to prevent emissions of 4.6 billion metric tons of CO₂-Eq. over 2022 through 2050, which is equivalent to about 3 years of U.S. power sector emissions at 2019 levels. More information about the rule can be found [here](#).

DOE Announces \$12 Million to Boost Geothermal Energy Research

On September 22, the U.S. Department of Energy (DOE) announced \$12 million in funding for seven research projects to advance the commercialization of enhanced geothermal systems (EGS). The selected projects are part of DOE's efforts to deploy innovative solutions to help achieve the Biden-Harris Administration's goals of net-zero carbon emissions by 2050 and a carbon-free grid by 2035. To learn about the projects, click [here](#).

White House Launches Multi-Agency Effort to Address Heat Impacts

On September 20, the White House announced a multi-agency effort to respond to extreme heat, which is the nation's leading weather-related cause of death. The Departments of Labor, Health and Human Services, Homeland Security, and the National Oceanic and Atmospheric Administration are all involved in this response with the goals of reducing heat-related illness, protecting public health, and supporting the economy. Agencies will be involved with reducing occupational heat exposure to protect outdoor and other vulnerable workers, providing cooling assistance, using schools as cooling centers, strengthening the resilience of communities, and improving weather forecasting. For more details, please visit [here](#).

New Buildings Institute "Insider's Guide to Talking about Carbon Neutral Buildings"

NBI has released a new document entitled the "Insider's Guide to Talking about Carbon Neutral Buildings," that discusses the interplay between energy and carbon metrics and what it means to build a carbon neutral building. NBI also has produced a webinar to accompany the guide. To view the webinar and/or download the guide, please visit [here](#).

School Superintendents Association Survey on Use of Covid Relief Spending

A survey by the School Superintendents Association (AASA) finds that school districts don't plan to spend much of their American Rescue Plan funds (aka covid relief funds) on facility renovations or new construction. About half of the school districts reported that they would spend no more than 10% of their funds on facility improvements. Reasons cited for not using government funds on school facilities included the 2024 spending deadline as well as supply chain disruptions. The complete set of findings is available [here](#).

ASHRAE Job Board

[Senior Mechanical Engineer](#) CSArch; Albany, N.Y.
[Mechanical Engineer, PE \(relo available\)](#) Publix Super Markets, Inc; Lakeland, Fla.
[Program Engineer](#) Air-Conditioning, Heating, and Refrigeration Institute; Arlington, Va.
[Commissioning Manager](#) Hensel Phelps; Westminster, Colo.; Los Angeles, Calif.; Washington, D.C.
[Senior Mechanical Engineer](#) Arup; Boston, Mass.

[Associate Energy Engineer](#) UCLA Health; Los Angeles, Calif.
[Industrial Energy Efficiency Engineer](#) Michaels Energy, Inc.; Chicago, Ill.
[HVACR Mechanical Engineer](#) Labworks International Inc.; Woodbridge, Ont., Canada
[Sr. Mechanical Engineer](#) McVeigh & Mangum Engineering, Inc.; Charlotte, N.C.; Jacksonville, Fla.

[View All](#)

ASHRAE News

Register for ASHRAE 2022 Winter Conference



2022 WINTER CONFERENCE AND AHR EXPO

Register now for the 2022 Winter Conference and AHR Expo taking place January 29 - February 2, 2022 in Las Vegas, NV. The conference will be held at Caesars Palace. Join us in-person or virtually for this highly anticipated conference offering the latest industry updates, a chance to reconnect with peers, attend the AHR Expo, and more. For more information, click [here](#).

[Register Now](#)

UPCOMING ASHRAE LEARNING INSTITUTE CORSES:

- **Health Impacts of Indoor Air Extraction, Ventilation and Filtration – Same or Different?** | 05 October 2021
- **Soft Skills Essentials for Engineers** | 06-08 October 2021
- **An Introduction to ASHRAE Existing Building Commissioning Process** | 07 October 2021
- **The Commissioning Process and Stakeholder Management** | 12 October 2021
- **Variable Refrigerant Flow Systems: Design and Applications** | 13 October 2021
- **Save 40% by Complying with Standard 90.1-2019** | 14 October 2021
- **Humidity Control II: Real-World Problems and Solutions** | 21 October 2021
- **HVAC Design Training: Tools for High Performance Building Design** | 18-29 October 2021
- **Combined Heat and Power: Creating Efficiency through Design & Operations** | 02 November 2021