



DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE V | 2022

CURRENT OFFICERS

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SECRETARY

Zak Schultz

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&

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It's that time of year again to get your foursomes together for the Dayton ASHRAE Golf Scramble!

We will be returning to PipeStone on May 27th for a great start to your Memorial Day weekend. Registration and payments will be through Eventbrite. Please find the URL below.

If you have any questions or would like to pursue sponsorship opportunities, please reach out to Mike Weisman at mweisman@elitaire.com.

We are looking forward to seeing you at the event!

THE ANNUAL DAYTON ASHRAE GOLF SCRAMBLE



May 27, 2022

PipeStone Golf Club

Shotgun Start at 9:00 am

Drink Tickets Sponsored by Trane

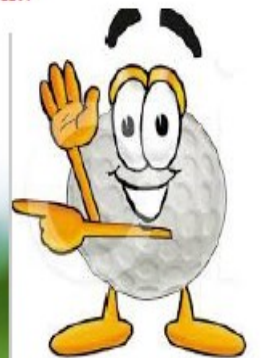


Mulligans Sponsored by Point 2 Point Systems



Bloody Mary Bar and Lunch Sponsored by SolidBlend Technologies

Register at [Daytonashraegolf2022.eventbrite.com](https://daytonashraegolf2022.eventbrite.com)
EMAIL QUESTIONS TO [MWEISMAN@ELITAIRE.COM](mailto:mweisman@elitaire.com)



**Don't Putter around and sign up today!
It will be a tee-riffic time. May the Course be with you. Remember you are the best by par.**

FROM THE PRESIDENT

Thank you to everyone that was able to join us on our technical tour of Gem City Markets and thank you to Gem City Markets for hosting our event. A final thank you to Rick Pavlak for the idea and Tom Homan for the coordination.

We are looking forward to seeing everyone at the annual Dayton ASHRAE Golf Outing. Please get your team registered at Daytonashraegolf2022.eventbrite.com. We're looking forward to a great day of weather and golf.

Please reach out to a member of the board if you are interested in getting more involved with the Dayton ASHRAE chapter.

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

Upcoming Events

May 18th

Board of Governors
8:00 AM, Virtual Meeting

May 27th

ASHRAE Golf Outing
9AM start

June 15th

Board of Governors
8:00 AM, Virtual Meeting

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

CHAPTER HISTORY (1966-1967)

President: John R. Patterson Trane Company

Vice Pres: Gifford Solem Johnson Service

Secretary: Norman Pleimann Hughes Bechtol

Treasurer: Thomas Ferdelman Ahart & Assoc.

BOD: Cecil York Hughes Bechtol

Regional Director: Don Phillips

Meetings were held at the Dayton Engineering Club.
CRC held in Akron, Ohio.

1965-1966: The chapter had \$8 when started. The Engineers Club did not have a liquor license, so Glen Black offered his to the meetings and could only be used at the Engineer's Club.

Committee Chairs

MEMBERSHIP

Vincent Caudill

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HISTORY

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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!

April:

Jake Kramer



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: **Alec Stapleton & Daniel Papaya**



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 513-512-5359.

Membership Application Here

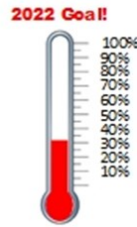
ASHRAE RP

We are nearing halfway to our goal with 2 more months remaining in the ASHRAE fiscal year. We know many of you donate at the end of the year, so we are confident you will help us reach our goals. To date, we are at 39% of our goal for the fiscal 2021-22 ASHRAE year. The campaign ends with end of the ASHRAE year on June 30, 2022. If you have not donated, now is the time to do so in order to receive the recognition that you deserve as a supporter of ASHRAE. 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 = \$ 7,725
To go = \$ 11,955

% to GOAL: 39%



Partner Level

Silver Level

Waibel Energy
Russell Marcks
Dayton ASHARE Chapter

Honor Roll

Steve Meier
Tom Mastbaum
Evan Nutt
Brian Turner
Lorraine Kapka
Trent Hayden
Vince Caudill
Kyle Schroeder
Bryan Schenck
Zak Shultz
Jennifer Eller
Matt Dill
Samuel Tobias
Dennis Helmig

Bronze Level

Uptime Solutions
Russell Marcks

Honorable Mention

Keith Strayer
Jeremy Fauber

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

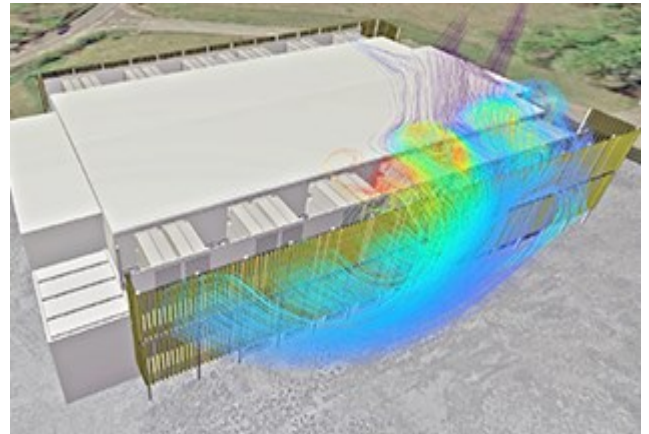
DONATE NOW

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



CFD Simulations Validate Data Center Cooling Designs

A new Future Facilities white paper explores how a U.K. data center company used computational fluid dynamic (CFD) simulations to validate and make informed decisions around the design, implementation and operation of their indirect evaporative cooling system. The company used CFD simulations to test various scenarios for both the external and internal environments around the data center campus. [Read more](#)



*CFD simulations show airflow around the exterior of a data center.
Credit: Future Facilities | Data Center Frontier*

Become an ASHRAE Distinguished Lecturer (DL)

Do you want to be the next ASHRAE expert? Become an **ASHRAE Distinguished Lecturer (DL)** and share your knowledge virtually and in-person with ASHRAE Chapters about HVAC&R, the built environment, and legal, contracting, financial, soft skills, and other areas supporting the architectural, engineering, and construction industries.

Whether you are a Young Engineer in ASHRAE, an experienced professional, a motivational speaker, a professional supporting engineers, or any other professional, the ASHRAE Chapter Technology Transfer Committee (CTTC) is looking for your nomination.

Take the next step and submit your DL nomination by December 1 [here](#).

Also, please join us for our DL Nomination Information Session on May 11th, 2022 details on the [DL web page](#).

ASHRAE News

Share Your ASHRAE Connection with New Free Downloadable Graphics

Show your social networks that you are an ASHRAE member! ASHRAE now offers several free graphics to allow you to easily share your association with ASHRAE. [Download them here](#) and be sure to use #MyASHRAE when you post. Graphics to share in your email signature are also available—add credibility to all your outgoing emails by letting everyone you email know you are part of the world's foremost HVAC&R Society.



ASHRAE Vancouver Island and British Columbia Chapters Host Webinar on Making Schools Safer for Occupancy

On April 12th 2022, Vancouver Island ASHRAE Government Affairs Chapter Chair Eric Loeper and Regional Vice Chair for Government Affairs Daryl Collerman organized a joint British Columbia and Vancouver Island ASHRAE Chapters webinar titled “Making BC Schools Safer for Occupancy,” moderated by Robert Bean, FASHRAE.

The webinar featured a presentation by ETF Chair Dr. William Bahnfleth titled “Understanding and Applying ASHRAE’s Core Recommendations for Mitigating Aerosol Infection Risk.” There were 148 attendees, including 33 school district officials, 8 postsecondary officials, 11 government officials, 2 officials from the BC CDC, 3 provincial healthcare officials, and others from the HVAC industry and general public. The webinar was covered by Vancouver Sun News Reporter Lisa Cordasco, who published an article featuring interviews from Bill Bahnfleth and Jennifer Whiteside, Ministry of Education. To find out more, please visit [here](#). View the webinar [here](#).

DOE Finalizes Rules that will Phase-Out Incandescent Bulbs

On April 26, the U.S. Department of Energy announced that it has finalized energy efficiency rules that set a minimum efficiency standard of 45 lumens per watt, the amount of light generated per energy consumed. Incandescent lightbulbs, which make up 30 percent of the market, are among the most inefficient bulbs, and will effectively be phased out by this rule. In contrast, light-emitting diode (LED) bulbs use 75 percent less energy and last 25 to 50 times longer. Compact fluorescent bulbs should also be able to comply with the new standard. Lighting consumes around 11% of total building energy, but this consumption profile will change with the DOE’s new rule. The new rules will apply to most types of lightbulbs, and manufacturers will need to be compliant with the new standards by July 2023. To read more about the DOE announcement, please visit [this page](#).

ASHRAE News

ASHRAE Sends Letter to Appropriations Subcommittee Supporting Buildings and Energy Programs

The House is continuing to gather information as it assembles the first draft of the FY23 funding bill. Information and requests for program funding are provided by federal agencies, members of Congress, and the public. Because of the endless possibilities, but limited funding, it's important to build support for impactful and essential programs by communicating to Congress the importance of these programs. In a letter to the House Appropriations, Energy & Water Subcommittee, whose jurisdiction includes the Department of Energy, ASHRAE noted the importance of programs such as the Building Technologies Office, Federal Energy Management Program, State and Community Energy Programs, Weatherization Assistance Program, and Energy Information Administration. A copy of the letter can be found [here](#).

Renewables Take Lion's Share of Global Power Additions in 2021

New data released by the International Renewable Energy Agency (IRENA) shows that renewable energy continued to grow and gain momentum. By the end of 2021, global renewable generation capacity amounted to 3,064 Gigawatts (GW), increasing the stock of renewable power by 9.1 per cent.

Sixty per cent of the new capacity in 2021 was added in Asia, resulting in a total of 1.46 Terawatt (TW) of renewable capacity by 2021. China was the biggest contributor, adding 121 GW to the continent's new capacity. Europe and North America took second and third places respectively, with the former adding 39 GW, and the latter 38 GW. Renewable energy capacity grew by 3.9 per cent in Africa and 3.3 per cent in Central America and the Caribbean. To read more, please visit [here](#).

DOE Request for Information on Resilient and Efficient Codes Implementation (RECI)

On April 12th, 2022, the Office of Energy Efficiency and Renewable Energy released a request for information on implementing resilient and efficient building codes. The motivation comes in the wake of \$225 million included in the Infrastructure Investments and Jobs Act for cost-effective building code implementation for efficiency and resilience. This goal is to make improvements through code adoption, workforce development, implementation and compliance, innovative approaches, energy equity, and partnerships. The opportunity to provide information is open until May 20th, 2022. More information about the opportunity can be found [here](#).

How Advanced Climate Technologies Could Provide Refrigerant Solutions for Supermarkets

Today's supermarkets and small grocers face many decisions when it comes to managing their refrigeration equipment, decisions that each entail trade-offs and can vary from store to store. Systems powered by advanced climate technologies (ACTs) could provide safe, simple and sustainable refrigerant solutions that present minimal safety risks and offer advantageous flammability and toxicity characteristics. [Read more](#)



EPA Hosts Webinar on Implementing Cost-Effective and Comprehensive IAQ Monitoring

On **Thursday, May 19** (1:00 p.m. – 2:30 p.m. ET), the U.S. Environmental Protection Agency will be hosting a webinar about how to implement cost-effective and comprehensive indoor air quality (IAQ) monitoring to improve the respiratory health of students and staff. The webinar will address asthma triggers (e.g., viruses, allergens, mold, dust) and speakers will discuss how ventilation and HVAC systems can be used to provide healthier air. To register, please visit [this page](#).

In-Person HVAC Design Training at ASHRAE Global HQ



Early Bird Fees End May 14!



In-Person HVAC Design Training is back!

June 13-17, 2022 | Atlanta, GA

In-Person HVAC Design Training is coming back to ASHRAE's Global Headquarters on June 13-17. **Early Bird Fees End May 14!** Gain a better understanding of HVAC fundamentals, equipment and systems while learning with colleagues in this intensive, hands-on course.

Register

ASHRAE News

Upcoming ASHRAE Online Training !

More Info

10-11 May | 11:00 a.m. - 2:00 p.m. ET

Healthcare Facilities: Best Practices for HVAC Design and Operation

This seminar introduces many unique and up-to-date healthcare design considerations and applications. Common medical terminology are introduced, and terminology differences between the medical and engineering fields are examined. Infection particles and their transport mechanisms are covered, followed by infection control methods. The second half of the course focuses on air-distribution designs for surgical and patient rooms. Various control and energy efficiency techniques for cooling and heating plants are presented along with O&M and other commissioning topics. Smoke control and life safety best practices and application issues finish the course. [Learn More>](#)

May 12th | 11:00 a.m.—2:00 p.m.

Energy Management Best Practices

Buildings use 40% of U.S. energy, of which one-third can be cost-effectively saved. To achieve this goal, building professionals can utilize energy management—an orderly process in which managers use resources at their disposal to accomplish clear, energy-saving objectives. This course weaves together energy management principles and best practices of the Standard ISO 50001, *ASHRAE Handbook—HVAC Applications*, ENERGY STAR® guidelines, and ASHRAE/IES Standard 100-2015, *Energy Efficiency in Existing Buildings*.

May 17th | 11:00 a.m. - 2:00 p.m. ET

Changing Environments and Loads for Data Centers

May 18th | 11:00 a.m. - 2:00 p.m. ET

Design of Affordable and Efficient Ground Source Heat Pump Systems

May 19th | 10:00 a.m. - 1:00 p.m. ET

Principles of building Commissioning: AHSRAE Guideline 0 and Standard 202

May 23th | Part I : 1:00 p.m. - 4:00 p.m. ET

May 24th | Part II : 1:00 p.m. - 4:00 p.m. ET

Energy Modeling Best Practices and Applications