



ISSUE V | 2021

# DAYTON CHAPTER

## CURRENT OFFICERS

### **PRESIDENT**

**Brian Turner**

BTurner@elitairecom  
ElitAire

### **PRESIDENT-ELECT**

**Matt Dill**

Matthew.dill@victaulic.com  
Victaulic

### **TREASURER**

**Jennifer Eller**

jmeller@heapy.com  
Heapy

### **SECRETARY**

**Trent Hayden**

thayden@energyoptusa.com  
Energy Optimizers, USA

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&

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Us on  
Facebook



*2021 Annual Golf*

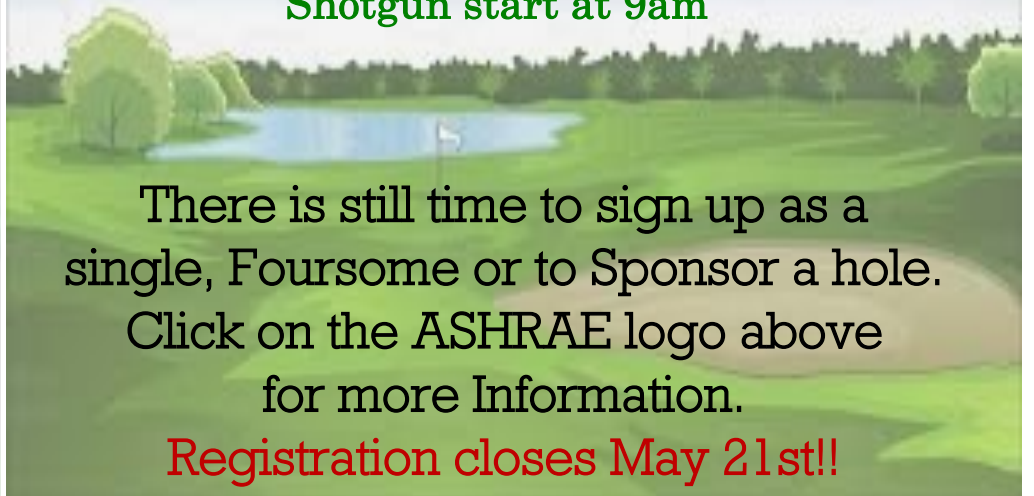
*Outing*

**Friday, May 28th** At *Pipestone*

Golf Course at 4344 Benner Road, Miamisburg

**Registration begins at 8am**

**Shotgun start at 9am**



There is still time to sign up as a single, Foursome or to Sponsor a hole. Click on the ASHRAE logo above for more Information.

**Registration closes May 21st!!**



# FROM THE PRESIDENT

Thank you to everyone who was able to join us for our final program of the 20-21 year. Pam Duffy joined us in April to present *Productive from Anywhere: Practical Tips to Get Stuff Done*. We hope you were able to learn some tricks to boost productivity in the work place.

We're looking forward to seeing everyone in a few weeks at the annual Dayton ASHRAE golf outing. Please go to [Daytonashraegolf2021.eventbrite.com](https://Daytonashraegolf2021.eventbrite.com) and register for the event on May 28<sup>th</sup> at Pipestone Golf Course. We're looking forward to great weather and a fun day of golf.

Finally, Dayton ASHRAE needs your help. We are looking for 2-3 members to join the board in some capacity. We have multiple positions to fill for the 21-22 calendar. Please reach out to myself or other board members if you're interested.

*Brian Turner* - President, Dayton ASHRAE

## CHAPTER HISTORY (1971-1972)

### Upcoming Events

**May 19th**

**Board of Governors**  
8:00 AM, Virtual Meeting

**May 28th**

**ASHRAE Golf Outing**  
9:00 AM, Virtual Meeting

**June 16th**

**Board of Governors**  
8:00 AM, Virtual Meeting

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

**President:** **Richard Pearson**

**Vice President:** Almar Fraley

**Secretary:** James Tudas

**Treasurer:** John Kolb

**Heapy & Associates**

Hughes Bechtol

Trane Co.

Lorenz, Williams, Willams,  
Lively & Likens

**BOD.:** Glenn Black

Johnson Services

**Regional Director:** Chuck Spesy

Meetings were held at the Carillon Cafeteria.  
CRC held in South Bend Indiana.



## Committee Chairs

### **MEMBERSHIP**

**Jeremy Fauber**

JPFauber@heapy.com  
Heapy

### **HISTORY**

**Bryan Schenck**

Brian.Schenck@waibelenergysystems.com  
Waibel Energy Systems

### **COMMUNICATIONS**

**Nathan Lammers**

Nathan.Lammers@waibelenergy systems.com  
Waibel Energy Systems

### **RESEARCH PROMO**

**Tom Mastbaum**

tom.astbaum@tem-associates.com  
TEM Associates, LLC.

### **STUDENT ACTIVITIES**

**Russell Marcks**

Russell.marcks@sinclair.edu  
Sinclair Community College

### **CTTC**

**Evan Nutt**

ENutt@elitaire.com  
Elitaire

### **GOVERNMENT AFFAIRS**

**Paul Hawkins**

Paul.Hawkins@waibelenergysystems.com  
Waibel Energy Systems

**YEA (Chair)**

**Phillip Reid**

PAReid@heapy.com  
Heapy

## Board of Governors

**Jeremy Fauber**

Heapy

**Rick Pavlak**

Heapy

**Lorraine Kapka**

Sinclair College

# MEMBERSHIP

## New Members

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

April

**CHECK BACK NEXT MONTH FOR ANY NEW MEMBERS.**

**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!

### 10 Years

Kelly (John) Kissock

### 15 Years

Will Samson



## **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 Jeremy Fauber at [jpfauber@heapy.com](mailto:jpfauber@heapy.com) or by calling 937-224-0861

**Membership Application Here**

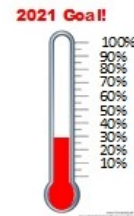
# ASHRAE RP

We are almost halfway to our goal with **2 more months** to go to hit the top! At this point, since many of you donate during the last two months of the ASHRE Fiscal Year, that we will indeed reach or exceed our goal. That goal is in sight, and we WILL reach it. If you still have funds resulting from your Stimulus Check PLEASE consider donating to ASHRAE RP/Education/Scholarships. See the LINK BELOW to donate today.

**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. But if you want to keep your "Coin Collection" going and be "Published," the NEW MINIMUM is \$150.



**2021 Goal = \$ 19,680**  
**YTD = \$ 8,150**  
**To go = \$ 11,530**  
**% to GOAL: 48%**



## Partner Level

Emerson Climate Tech.

## Honor Roll

Lorraine Kapka  
Steve Meier  
Tom Mastbaum  
Evan Nutt  
Trent Hayden  
Nathan Lammers  
Brian Schenck  
Brian Turner  
Kyle Schroeder  
Jennifer Eller  
Sam Tobias  
Sheila Sagerer  
David Crosley  
Russell Marcks  
Jeff Turner

## Bronze Level

Uptime Solutions, Inc.

## Honorable Mention

Joseph Ferdelman  
Jeff Turner  
Jeremy Fauber  
Thomas Monnig  
Mike Weisman  
Matt Dill  
Helmig & Lienesch

## Silver Level

Dayton ASHRAE Chapter  
Waibel Energy



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 scholarship committee recommends the award of the following scholarships for this year:

**Keller Scholarship: \$1500 (\$ held by ASHRAE Foundation): Nicholas Anderson, a UD Junior in Mechanical Engineering.**

**Dayton ASHRAE Scholarship: \$1000 (chapter \$): Tyler Kleinsasser, a Civil Engineering student at South Dakota School of Mines and Technology to pursue a Master's degree in Construction Management.**



*scholarships announced!!*

**CONGRADULATIONS TO BOTH STUDENTS!!**

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## ASHRAE and UNEP Launch Three-Year Workplan

On April 15, ASHRAE and the United Nations Environment Programme (UNEP) announced the launch of its 2021-23 workplan. The workplan's theme is "*Refrigeration Management for Developing Economies*" and was signed by Charles E. Gullledge III, P.E., 2020-21 ASHRAE President and James S. Curlin, Acting Head of UNEP OzonAction Programme.

The theme of the workplan recognizes the important role that refrigeration and air conditioning play in developing countries both in terms of societal benefits, ranging from protecting the food supply and vaccine storage to cooling for increased comfort and productivity, as well as environmental goals, including compliance with international commitments. The workplan emphasizes the deployment of all ASHRAE-UNEP developed tools and programs, to make them reachable and accessible to different stakeholders in developing countries.

To view the complete work plan, please visit the [ASHRAE UNEP Portal](#).

## IEA Predicts Five Percent Rise in Global Energy-Related Carbon Emissions in 2021

On April 20, the International Energy Agency released its [Global Energy Review 2021](#), which forecasts a 5% increase in energy-related carbon dioxide emissions, a 1.5 billion ton increase. This increase would be the second-largest increase in history, reversing most of the declines in 2020 related to the pandemic. Coal demand is expected to grow by 4.5%, and global energy demand is estimated to increase by 4.6%. While renewables-generated electricity is expected to increase markedly by over 8%, this increase does not offset the fossil fuel-based energy source demand increases.

## Green New Deal Reintroduced

Rep. Alexandria Ocasio-Cortez (D-NY) and Senator Ed Markey (D-MA) unveiled the latest version of the [Green New Deal](#). Ocasio-Cortez has criticized Biden's climate agenda as not going far enough, which she reiterated at a news conference unveiling the legislation. The new version of the bill would authorize \$1 trillion for cities, tribes, and other local governments to implement the Green New Deal and create a Civilian Climate Corps.

## House Energy and Commerce Committee Holds EPA Budget Meeting

On April 29 at 11 a.m. ET, EPA Administrator Michael Regan will testify before the House Energy and Commerce Environment and Climate Change Subcommittee. To watch the hearing, [click here](#).

## DOE Issues Preliminary Determination of ANSI/ASHRAE/IES Standard 90.1-2019

On April 16, the U.S. Department of Energy (DOE) announced its preliminary positive determination of energy savings for ANSI/ASHRAE/IES Standard 90.1-2019. Based on the [technical analysis](#) provided by DOE's Pacific Northwest National Laboratory (PNNL), buildings meeting Standard 90.1-2019 (as compared to the previous 2016 edition) would result in national average energy savings of approximately:

- 4.7% site energy
- 4.3% source energy
- 4.3% energy cost
- 4.2% carbon emissions

Interested stakeholders can submit comments within 30 days of publication. To learn more, [click here](#).

## FERC Hosts Technical Conference to Discuss Electrification and the Grid of the Future

On April 29, the U.S. Federal Energy Regulatory Commission (FERC) is hosting a free webcast on Electrification and the Grid of the Future. During the event, attendees will be able to discuss with Commissioners on how to prepare for an increasingly electrified future. To register for the event and see the full list of panelists, [click here](#).

## EPA Signs SNAP Rule

On April 23, EPA Administrator Michael Regan signed a Final Rule titled, "Protection of Stratospheric Ozone: Listing of Substitutes under the Significant New Alternatives Policy Program." The rule establishes new alternatives for the refrigeration and air conditioning sector, specifically for retail food refrigeration and residential and light commercial air conditioning and heat pumps. To learn more, [click here](#).

## Survey and Report on IAQ and Schools Released

With technical support from [ASHRAE](#), the [Center for Green Schools](#) at the [U.S. Green Building Council](#) (USGBC) published a new report on indoor air quality (IAQ) measures that schools have taken in response to the pandemic. The report titled ["Preparation in the Pandemic: How Schools Implemented Air Quality Measures to Protect Occupants from COVID-19,"](#) presents the survey responses of school districts representing more than 4,000 schools serving over 2.5 million students in 24 states, on the protocols and operations plans implemented to mitigate the spread of COVID-19. The report can be [found here](#).

## Clean Energy Jobs Decline in 2020 Due to COVID-19

The group Environmental Entrepreneurs (E2) has released a report detailing the effects of the COVID-19 pandemic on American jobs in the clean energy sector. The sector lost about 307,000 jobs in 2020 during the pandemic. Currently, employment in the sector is about 3 million Americans total. This loss amounted to approximately 600,000 clean energy jobs by May of 2020, but the sector recovered later in the year to cut that shortfall in half. By the end of 2020, wind energy had added about 2,000 jobs, and electric and plug-in hybrid vehicles added about 12,200 jobs. E2 noted that clean energy jobs have grown 11% since last May, compared to the less than 9% growth in the national workforce over the same period. Finally, additional federal investment could lead to a further rebound in the clean energy job market. The full report can be [found here](#)

## New "Solar Access for All" Coalition Formed

On April 20, a new coalition formed which aims to open up access to solar power to a much broader swath of the public. The Solar Access for All coalition includes Earthjustice, the Coalition for Community Solar Access, the NAACP, the League of United Latin American Citizens, and the Tribal Utility and Energy Infrastructure Legislation for Indigenous People. The coalition has released a roadmap with suggestions regarding how solar policies can be adapted to President Biden's pledge of directing 40% of benefits from clean energy investments toward underserved communities. The plan calls for a blitz of new federal programs and incentives to encourage rooftop and community solar installations in low- and moderate-income communities and rural or Indigenous communities, with the financing largely overseen by states, tribes, and localities. The full roadmap can be [found here](#).

## New York City to Integrate District Geothermal Systems

To accelerate the transition from fossil fuel energy sources to clean energy technologies, New York City Mayor Bill de Blasio announced the steps the city will take to implement and integrate district geothermal systems. While geothermal heating and cooling has been available for decades, it remains largely underutilized in New York City. [Read more](#)

# ASHRAE News

## Georgia Tech Building Certified as ‘Living Building’

Electricity for cooling is typically the heaviest energy demand in the American South. Georgia Tech’s Kendeda Building—newly certified as the world’s 28th “living building” by the International Living Future Institute—does not use conventional air-conditioning technology but primarily relies on dehumidifying the air to facilitate a comfortable indoor environment. [Read more](#)

## How MEP Engineers Can Better Address Sustainability

By Erin McConahey, P.E., HBDP, Fellow ASHRAE

MEP engineers will be at the forefront of addressing resource efficiency to reduce carbon emissions in all buildings, new and existing. McConahey explores how HVAC&R engineers can better design systems and improve energy efficiency and air quality in alignment with the U.N.’s Sustainable Development Goals. [Read more](#)

### Meet the Candidates

#### Voting Begins April 30 for 2021–22 ASHRAE Board of Directors Slate

Voting for the 2021–2022 ASHRAE Board of Directors ballot opens April 30. This slate presents the nominees’ Society activities to assist voters in choosing candidates to lead ASHRAE in the upcoming Society year. ASHRAE’s Executive Committee includes president, president-elect, treasurer, secretary and four vice presidents. ASHRAE members will receive a ballot in their email between April 30 and May 1. Voting closes June 28. [Read more](#)



President

**Michael (Mick) C. A. Schwedler, P.E.**  
Fellow ASHRAE; applications engineering manager, Trane, La Crosse, Wisconsin



President-elect

**Farooq Mehboob, P.E.**  
Fellow/Life Member ASHRAE; principal consultant, S. Mehboob & Company Consulting Engineers, Karachi, Pakistan



Treasurer

**M. Ginger Scoggins, P.E.**  
Fellow ASHRAE; principal, Engineered Designs Inc., Cary, North Carolina.

[Access the full Board of Directors slate.](#)

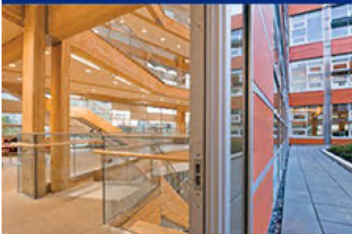
## Earn PDHs. Elevate Your Career!

INDIVIDUAL COURSE

ASHRAE

UPDATED

eLearning



**Indoor Environmental Conditions for Human Comfort. (I-P)**

The **Indoor Environmental Conditions for Human Comfort** course, previously titled Thermal Comfort, has been updated and expanded to help newcomers to the HVAC&R industry master an understanding of HVAC&R fundamentals. The course can also serve as an excellent refresher even if you have worked in the HVAC&R field for some time.

This course covers the basics of human comfort in the built environment. Topics covered include comfort and health criteria, thermal comfort, factors influencing thermal conditions, zoning, indoor air quality, limiting indoor air contaminants and room air distribution.



# JUST FOR FUN

