ASHRAE Philadelphia Chapter

March 2024
Volume 59, Issue 8



QUAKER CITY CLIMATE

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MEETING COSTS

Fees are based on online reservations and prepayment.

$42 Chapter Member

$42 YEA Member

$42 Student Member

$0 Life Member

$42 Society Member

$42 Non-Member

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Thursday, March 21, 2024
11:30 AM to 1:30 PM

Lunch Meeting

"Hybrid Variable Refrigerant Flow (VRF) Systems"

Presented By:

Dave Auciello
Mitsubishi Electric Trane HVAC

and

Rob DiFerdinando
Mitsubishi Electric Trane US

11:30 AM - Noon	Registration
Noon - 1:30 PM	Lunch & Presentation

Click here to register.

LOCATION

Fogo de Chao
155 Main Street
Suite 160 (Building L)
King of Prussia, PA 19406

For directions and parking, click here

See page 3 for more information.

Mark Your Calendar!

2024 Golf Outing
April 29, 2024

See page 4 for more information.

2023-2024

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Invest in ASHRAE and Help Shape our Future

ASHRAE's Research Promotion Campaign generates funds to support ASHRAE research, YEA, Education (ALI), Endowed Research through ASHRAE Foundation, YEA Programs, Scholarships, and the General Fund. Research, the backbone of ASHRAE, remains the primary fund of the program with over $2 million raised for this program annually.

All contributions received by ASHRAE significantly assist in ensuring that the Society continues to have the resources needed to sustain and expand its work. ASHRAE is very thankful for the support of all our donors and will strive to utilize all resources to better serve our members, the HVAC&R industry and society!

Click here if you would like to support ASHRAE's mission, programs, and member services with a gift through the RP Campaign.

If you have any questions, please contact the Philadelphia Chapter's Research Promotion Chair, Jim Scanlon, at c021rp@ashrae.net.

Thank you for your support!

Our Chapter Digital Directory is now available!

This digital version has replaced the paper versions from years past. This provides flexibility and allows for access anywhere. It's easy to use, highly interactive, and always up to date.

ASHRAE Philadelphia Chapter Digital Directory

The link to the directory is on our home page on the website, or you may click here to advertise or purchase access to the directory!

March CTTC Article

Don't miss this month's CTTC article:

ASHRAE Standard 90.1-2022 Receives Model Energy Code Determination from the DOE

See page 6 or click here:

https://www.ashrae.org/about/news/2024/ashrae-standard-90-1-2022-receives-model-energy-code-determination-from-the-doe

March Lunch Meeting

Thursday, March 21, 2024
11:30 AM to 1:30 PM

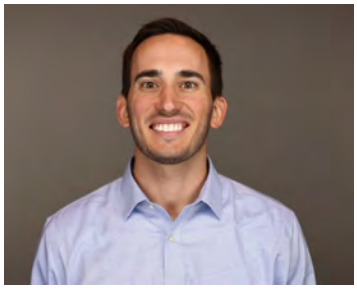
"Hybrid Variable Refrigerant Flow (VRF) Systems"

Click here to register.

Synopsis:

Hybrid Variable Refrigerant Flow (VRF) system that exchanges heat between refrigerant and water can reduce the use of refrigerant and keep the piping in the indoor space refrigerant-free. Air or water source units connect to a Hybrid Branch Controller by a two-pipe refrigerant system allowing for simultaneous heating and cooling in the same way as standard VRF. Hybrid VRF uses the same outdoor units and controls package as VRF with added capacity range ensuring a more efficient installation that requires less space.

Presenters:



Dave Auciello provides technical design, sales support, and VRF product expertise to consulting engineers, distributors, contractors and building owners in the Philadelphia, South Jersey and Delaware markets for Mitsubishi Electric Trane HVAC. Prior to joining METUS 5 years ago, Dave worked for an engineering firm in the nuclear power industry and was employed in the oil and gas industry prior to that. Dave graduated from Penn State University with a bachelor's degree in engineering and currently resides in Delaware County, PA.



Rob DiFerdinando helps Engineers, Contractors and Businesses Design and Value Engineer HVAC VRF Projects for Mitsubishi Electric Trane US in the Southeastern Pennsylvania, Southern New Jersey, and Delaware markets. Prior to joining METUS 2 Years ago, Rob worked in residential and commercial HVAC sales for 5 years. After getting his Universal Refrigerant License, his introduction to the industry was as an HVAC installation mechanical for over 7 years with a mechanical contractor, specializing in VRF.

We hope you can join us!

Register today!



WHEN:
April 29, 2024
10:30 AM to 7:00 PM

WHERE:
Trump National Golf Club Philadelphia
500 W Branch Ave
Pine Hill, NJ 08021
http://www.trumpnationalphiladelphia.com/

SCHEDULE:
10:30 am - Registration begins
11:00 am - Made-to-order lunch prepared on charcoal grill
12:30 pm - Shotgun start
5:30 pm - Buffet-style banquet dinner, 1-hr open bar, and prizes

REGISTRATION:

$100 -
No golf - lunch, dinner, and open bar

$500 -
1 golfer - lunch, golf, dinner, and open bar

$1,200 -
4 golfers - lunch, golf, dinner, and open bar

Click here to register.

All contributions towards this fundraiser help support the Philadelphia Chapter of ASHRAE and the Debra H. Kennoy Scholarship Fund.

For more information, please contact
Anthony Rodio
arodio@unitasengineering.com
609-703-9095

This event sold out quickly last year.
Don't miss your chance -
register today!



The Philadelphia Chapter
of the
American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

994 Old Eagle School Road
Suite 1019
Wayne, PA 19087-1866
P 610-971-2169
F 610-971-4859

Visit
our web site at:

www.ashraephilly.org

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Hope Silverman
P 610-971-2169
hope@mmco1.com

Material can include letters to the editor, member news, upcoming events, comments on chapter programs or issues, etc.

New Philadelphia Chapter Members

New Chapter Members

Edward MacMurchy
Showmik Azam
Carl Ray
Richard Guditus
Richard Colasanti
Sean Banul

New Society Member

Amanda Zurybida

2024 ASHRAE Annual Conference

June 22-26, 2024
Indianapolis, IN
Click here for more information.

What are the benefits of paying Philadelphia Chapter dues* ?

Discounts:

$200 Discount for Basic Class
$150 Discount for 90.1 Seminar
Free access to the Digital Directory
And much more!

* Note that Philadelphia Chapter Membership Dues are $35/year.

To receive discounts, please remit you Chapter dues when renewing online or applying for a new membership. Feel free to upgrade online by clicking here or contact c021@ashrae.net for assistance.

Membership Advancement

If you are currently an ASHRAE Associate Member, becoming a full Member is easier than you think! The following count toward the required **12 points** to advance to full membership status. You must update your ASHRAE online biography and send an email to membership@ashrae.org to advance.

Non-accredited degree = 4 points
PE = 4 points
Accredited degree = 6 points
Industry experience = 1 point/year

ASHRAE STANDARD 90.1-2022 RECEIVES MODEL ENERGY CODE DETERMINATION FROM THE DOE

Average site energy savings estimate increases from 9.8% to 14%, nationally

SHARE THIS

05 Mar 2024

Standards

Peachtree Corners, GA

ASHRAE Standard 90.1-2022 Receives Model Energy Code Determination from the DOE

ATLANTA (March 5, 2024) – ASHRAE received a determination issued by the U.S. Department of Energy (DOE) stating that ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*, will increase energy efficiency in commercial buildings subject to the code.

The standard achieved this determination through the DOE's technical analysis estimating that buildings meeting 90.1-2022 (as compared to the previous 2019 edition) would result in a national average site energy estimate savings increase from 9.8% to 14% (reference as "net" savings).

"With the intensified demand for decreased energy consumption and carbon reductions in existing buildings, Standard 90.1 continues to offer essential guidance in shaping building regulations and amplified energy legislation," said 2023-23 ASHRAE President Ginger Scoggins, P.E., Fellow ASHRAE. "The DOE's latest determination further solidifies Standard 90.1 as the cornerstone for achieving energy efficiency goals and ultimately moves us closer towards widescale, global building decarbonization of the built environment."

The following are DOE's estimates of national savings in commercial buildings:

9.8% site energy savings
9.4% source energy savings
9.3% carbon emissions savings

Standard 90.1-2022 marks the first time onsite generation of renewable energy systems is incorporated as a prescriptive requirement of the standard, recognizing the role of renewables in new construction, echoing similar requirements in several state and local building codes and better positioning new commercial buildings to achieve net zero energy in the future. Other key changes include customizable energy credits, a new mechanical system efficiency performance option, requirements to address thermal bridging, expanded criteria for whole-building air-leakage testing, updated lighting power allowances, and additional guidance for using emissions in addition to traditional site, source and cost-based metrics.

States are required to certify within 2 years of DOE's affirmative determination that the provisions of its commercial building code regarding energy efficiency have been reviewed and, as necessary, updated codes to meet or exceed the updated edition of Standard 90.1.

Learn more about DOE's model energy code determination, including specific requirements and deadlines, at: energycodes.gov/determinations.

About ASHRAE

Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating ventilation, air conditioning, refrigeration, and their allied fields.

As an industry leader in research, standards writing, publishing, certification and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

The Society is showcasing integrated building solutions and sustainability in action through the opening of the ASHRAE Global Headquarters building in metro-Atlanta, Georgia.

For more information and to stay up-to-date on ASHRAE, visit ashrae.org and connect on Instagram, LinkedIn, Facebook, X and YouTube.

ASHRAE Shaping Tomorrow's Built Environment Today

With more than 50,000 members from over 132 nations, ASHRAE is a diverse organization dedicated to advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world.

BECOME A MEMBER

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