

Capitalaire

The National Capital Chapter of ASHRAE



The ASHRAE Digital Lighthouse and Industry 4.0

President's Corner

To the National Capital Chapter of ASHRAE,

For as long as I can remember, September has been a time of the year surrounded by anticipation- "how will this school year be?", "will fall be a slow march to winter or will we get an early snowfall this year?", "is this the year that the [Washington Football Team] actually make it to the ~~Super Bowl~~ playoffs?" This excitement can be unnerving as all but the last of those are unknowable (Sorry guys, the answer is a resounding "nope" this year). But at the same time, it brings new things and challenges that we welcome with open arms. This year is certainly not short on the unknowable, as we all have become well acquainted with the term "unprecedented times". That said, let's try to kick off the Chapter's year with what we *do* know.

I can say with certainty that one constant from last year will be the big shoes that National Capital Chapter Presidents always have to fill. I'd like to thank our most recent past President, Stephen Niez, for an outstanding year, despite the many curveballs that seemed to constantly test his resolve as a dedicated NCC volunteer. I'd also like to thank the many committee chairs and volunteers who continue to serve this chapter and ensure everything runs smoothly behind the scenes.

Another known is the most recent decision from the Board of Governors to hold this fall's monthly meetings virtually. Although unanimously voted upon, it is not without resignation that we postpone welcoming everyone back face-to-face. We are fortunate to have excellent speakers in the DC metropolitan area and we will continue providing high caliber programs with engaging and relevant topics, continuing with lunchtime meetings in similar format to last year. All technical programs will include time for Q&A and I encourage all to take part in the discussion to keep our gatherings lively.

For our first technical program of the year, please join me at noon on September 22nd for a live webinar on electrification. It is a seemingly simple topic that comes chock-full of technical nuances, legislative banter and marketing buzz, just to name a few. We will present from both an informative and a practical application aspect in our first dive into the subject. Please keep an eye out for emails to register and come support the chapter.

Lastly, I'd like to say congratulations to those who received awards at the ASHRAE Virtual Annual Conference this summer, who will also be recognized in our forthcoming chapter newsletter. As we get into fall, I pledge to our membership that we will continue delivering everything that NCC ASHRAE has come to stand for in the local HVAC community.

Be well, do good!

Ryan



Ryan Westlund

2021-2022 NCC President

Introducing the 2021-2022 Board of Governors and Committee Chairs!

| Board of Governors | |
|--|--------------------|
| President | Ryan Westlund |
| President-Elect | Nick Barrett |
| Vice President | Mike Morder |
| Treasurer | Jonathan Rumbaugh |
| Secretary | Michael Spencer |
| Sr. Governor | Stephen Niez |
| Governor | Drew McPheeters |
| Governor | Lauren MacGowens |
| Governor | Mikelann Scerbo |
| Governor | Patti Gunderson |
| Committee Chairs | |
| Annual Social | Bradey Jump |
| | Laura Morder |
| CTTC | Mikelann Scerbo |
| Directory | Morgan Stevens |
| Finance | Nick Barrett |
| | Ryan Westlund |
| | Mike Morder |
| | Jonathan Rumbaugh |
| Golf Outing | Mike Morder |
| Gov't Affairs | Roger Chang |
| Historian | Drew McPheeters |
| | Gary McKee |
| Honors/ Awards | Stephen Niez |
| Membership | Lauren MacGowens |
| | Drew McPheeters |
| Newsletter | Morgan Flynn |
| Programs | Bailey Estes |
| | Patti Gunderson |
| Reception | Stephanie Gonzalez |
| | Catherine Jones |
| Research Promotion | Chris Able |
| Student Activities | Dante' Freeland |
| Sustainability | Ryan Westlund |
| Tech Awards | Stephen Niez |
| Website/ Electronic Communications | Michael Spencer |
| | Lauren MacGowens |
| | Morgan Stevens |
| Women in ASHRAE (WiA) | Bailey Estes |
| Young Engineers in ASHRAE (YEA) | Zach DeLuke |
| | Adam Mirabelle |

Thank you to our 2020-2021 Platinum and Gold sponsors below. To find out more about how your company can become a sponsor for the 2021-2022 ASHRAE season please reach out to Mikelann Scerbo, CTTC Chair, at mikelann.scerbo@gmail.com.

Platinum Chapter Meeting Sponsors



Gold Chapter Meeting Sponsors



PROGRAMS COMMITTEE

Chapter Meeting: September 22, 2020 – Noon to 2 P.M.
Register at: www.nccashrae.org

Presentation Topic: Electrification and Decarbonization of the Built Environment

- Introduction by Patti Gunderson, Building Science Research Engineer, Pacific Northwest National Laboratory
- Main Speaker: Patrick Murphy, PE, LEED AP BD+C, CPHC, Associate Principal | Director of Sustainable Design, R.G. Vanderweil Engineers, LLP

The presentation will be followed by a brief overview of the new and improved ASHRAE NCC website.

Abstract: Electrification and Decarbonization of the Built Environment

This presentation describes the larger forces driving the building design and construction industry towards electrification, and the available technologies and strategies to make buildings net zero emissions ready. We will conclude by sharing several case studies of the application of these technologies, including lessons learned for how to implement these strategies on future projects.

A growing number of universities, corporations, cities and states are establishing carbon neutrality and carbon emissions reduction goals for the coming 20-30 years. Given that major new construction and renovation projects will be operational during this period, designs for these projects need to aggressively reduce emissions and/or be ready for net zero emissions during their lifespan in order for these institutions to achieve their emissions goals. The key to achieving these strategies is the elimination of direct fossil fuel emissions from building operations through the electrification of building energy systems, and leveraging growing sources of clean, renewable electricity.

Patrick Murphy As Director of Sustainable Design for Vanderweil Engineers, Patrick is leveraging his passion and experience in sustainable, integrated, and innovative building design to inform designs through rigorous energy and water analysis. Patrick's background as an architectural engineer with a focus on sustainable MEP systems informs his multi-disciplinary and collaborative approach to building design. Patrick's career is highlighted by multiple awards, speaking at several conferences, and his involvement and leadership in the design of multiple LEED Platinum and net zero projects.



SOCIETY AWARDS

The following awards were presented at the Annual ASHRAE Conference:

Distinguished Service Award

The Distinguished Service Award salutes members of any grade who have served the Society faithfully and with distinction and who have given freely of their time and talent in chapter, regional and Society activities. The following member from the Washington Area was recognized:

Wesley R. Davis, Director of Technical Services, Air Conditioning Contractors of America, Alexandria, Virginia.

Distinguished 75-Year Member Award

The Distinguished 75-Year Member Award recognizes members who have been a member for a minimum of 75 years, and is either a past Society President, a Fellow, has received the Distinguished Service Award or otherwise performed outstanding service to the Society. The following NCC member received this award:

Barney Menditch, P.E., Life Member ASHRAE, Chevy Chase, Maryland.

REGION III AWARDS

Several long-time ASHRAE members in our region were featured as award recipients at this year's Annual Conference last summer. Please join us in congratulating them on these awards that highlight their dedication and service to the HVAC-R community. These recipients and their recognitions include:

Stephanie Gonzalez – YEA

Congratulations recipients!

ASHRAE GOVERNMENT AFFAIRS DC STAFF – UPDATE

Washington, D.C. Building Energy Performance Standards Open for Comment

On July 23, the Washington, D.C. Department of Energy issued a second draft of the Building Energy Performance Standards (BEPS). It includes information on which buildings are subject to the BEPS rules, requirements for buildings that are not in compliance with BEPS, and instructions for owners and operators of privately-owned buildings on how to comply with the requirements. The Department also released a BEPS compliance Guidebook, which can be found [here](#). The draft BEPS can be found [here](#) as well as any public comments. The next ASHRAE meeting will be on **October 13, 2021** and will highlight speakers on the DC BEPS topic.

MEMBERSHIP PROMOTION

ASHRAE Welcome’s its newest members to the National Capital Chapter.



| |
|---------------------------|
| Michelle Jamshidi |
| John Black |
| Regina H Hong |
| Anthony J Nugent |
| Roxana Family |
| Tapinder S Garcha |
| William Richard Rosenberg |
| Bilisuma Diriba |
| Brian Lithen |
| Nassim Abbouchi |
| Martha Elizabeth Cope |
| Nicholas J Mitchell |
| Anna McCullough |
| Tania Ullah |
| Jerry J Yeh |
| Matthew Apperson |
| Davis Trexler |
| Matthew Brian James |
| Julien Stamatakis |
| Darryl Ngai |
| Daniel B. Fulford Jr |
| Charles W K Gritton |
| Faizuddin Asadi |
| Bryce T Meadows |
| Mohmed Mustafa Hummeda |
| Benjamin Burgoyne |
| Hayat Abdi Kelil-Brown |
| Don Walden |
| Dae Won Hwang |
| Andrew T Van Ness |

Want to know more? Email Membership@nccashrae.org