

## Southern Piedmont Chapter Newsletter - March 2024

Dear Erica Powell,

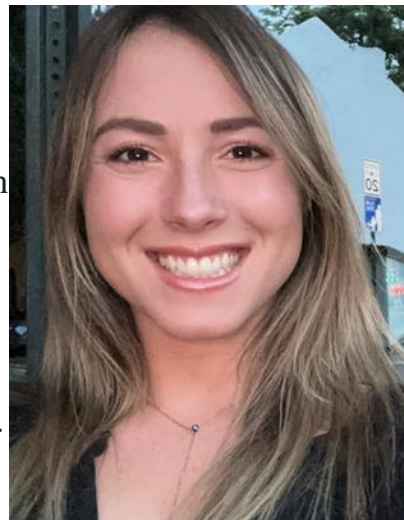
---

### March President's Message:

Hello SPASHRAE Members!

Before we approach April and all the craziness that comes with Spring Break, I want to reflect on our chapter's Women's History Month celebration.

We celebrated women in engineering and in the HVAC industry with facts presented at the March Chapter meeting where we had none other than our Region's RMCR presenting, Heather Platt. We also hosted a Women in Leadership panel with 2 extraordinary women, Angie Stokes and Andrea Thompson, where we discussed women in leadership, career resiliency and mentorship. We are very proud of our attendance at both of these events so thank you to every one who came out!



This April we have our chapter meeting next week with past Society President, Chuck Gullledge III, and our YEA Sponsored Happy Hour on the 24th at Sugar Creek Brewing. If you are in town, we would love to have you!

Here at SPASHRAE, we would love to hear any feedback you may have with anything related to the chapter including events, membership, and benefits. Please feel free to reach out to me or anyone else on the board to discuss ways to improve our chapter.

Regards,

Erica Powell - SPASHRAE President

**Government Affairs March Article:**



**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*

**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](https://energycodes.gov/determinations).

## **History March Article:**



### **Chapter Member Spotlight - Dave Brown**

This month I thought I would write an article about one of our senior chapter members and my friend – Dave Brown.

I have known Dave since my first involvement with the chapter, back in the early 1990's. Through the years Dave has been a solid member of

the chapter. He regularly attends chapter meetings, promotes ASHRAE and the Southern Piedmont Chapter, donates to the annual Christmas auction, and provides sponsorship money for the various research promotion events.

These are some of the things that are visible. His support of the chapter and of the industry as a whole goes far beyond that. Dave has been instrumental in the formation and support of the ASHRAE student chapter at UNCC. He has served as a faculty advisor, has established a faculty endowment to support the student chapter faculty advisors, and has worked with the chapter to coordinate an industry focused job fair each of the last three years. The same work has also been accomplished at Clemson – faculty advisor, establishment of an endowment to support subsequent faculty advisors, and support of an HVAC focused job fair.

A graduate of Clemson University, David's career has included work as an educator, a philanthropist, and a mechanical contractor. At Clemson, he has served on the Alumni National Council, Foundation Board, and the Mechanical Engineering Advisory Board.

Dave has always encouraged his employees to become involved in the chapter. Many have held chair positions through the years, and some have become chapter president. The current example is Tyler Tufts, P.E., who is a systems engineer specializing in optimization and energy management at United Mechanical Corporation. Tyler is the current chair of the Student Activities committee.

United Mechanical was founded in 1977 by David Brown and the company has introduced many individuals in our area to the HVAC industry. Every engineer hired since 1977 has been an Entry Level employee. The same applies to essentially all field employees.

Per United Mechanical Corporation's website, ASHRAE has helped UMC achieve their company objective of being able to provide a means for all

employees to make a living for themselves and their families in an atmosphere that maximizes personal development.

The Southern Piedmont chapter is fortunate to have members like Dave Brown.

**A big THANK YOU to our 2023-2024 SPASHRAE  
Platinum Sponsors:**



HOFFMAN & HOFFMAN, INC.



**A big THANK YOU to our 2023-2024 SPASHRAE  
Gold Sponsor:**



**DUKE  
ENERGY®**

**Johnson  
Controls**



# AirTight FaciliTech

Building Efficiency and Sustainability



A Service Logic Company



A big THANK YOU to our 2023-2024 SPASHRAE  
Engineering Sponsors:



**Shultz Engineering  
Group, P.C.**  
Consulting Engineers





**Interested in becoming a sponsor of our chapter for 2023-2024?  
Please reach out to our RP Chair below!**

**Kyler Asia: [kyler.asia@carrier.com](mailto:kyler.asia@carrier.com)**

### **April Event Schedule:**



**Lunch Meeting: "Design-Build-Operate-Maintain: What Could Go Wrong?" - Chuck Gullledge, III**

---

April 4th: 11:30AM-1PM

Lenny Boy Brewing - 3000 S. Tryon Street, Charlotte, NC 28217

[Register Here](#)

---



*Sugar Creek*

BREWING COMPANY

**Sponsored by:**

**YEA/MP-Themed Happy Hour, Brewery Tasting and Tour Event**

April 24th: 5:30-7PM

Sugar Creek Brewing - 215 Southside Dr., Charlotte, NC 28217

[Register Here](#)

---

**Looking to broaden your horizons? Take a look  
at the ASHRAE Jobs Board for your next career!**

<https://jobs.ashrae.org/>

**Or advance your career by receiving ASHRAE  
Certifications!**

[ASHRAE Certification Brochure](#)

[SPASHRAE LinkedIn:](#)



[SPASHRAE Website:](#)

