

November Newsletter



A Message from Our President

Can you believe it's already November? It feels like 2024 has flown by in the blink of an eye! As we head into the final months of the year, there's so much to look forward to. We've got a mix of exciting new events and our beloved annual traditions.

One of the biggest highlights of November is coming up on November 19th, when we'll gather at Big Ditch Brewing for our monthly meeting sponsored by JW Swanson. This lunch event will feature an insightful presentation on Geothermal Systems by Kevin Austin, a consultant from Water Furnace. I'm looking forward to learning about this innovative technology, which is more relevant than ever in our pursuit of sustainable, energy-efficient solutions. Later in the day, we'll head over to Lucky Day for a happy hour to kick off our Women in ASHRAE (WIA) meetings. This is a casual, informal event where we can connect, share ideas, and network. Remember, our WIA meetings are open to everyone—men and women alike—so I encourage you to join us for a fun and engaging time!

As we move toward the end of the year, we have even more exciting events to look forward to, including:

- Volunteer opportunities with the Buffalo City Mission
- Our annual Holiday Party at the Curtiss Hotel
- A fun and festive Wreath-Making event hosted by WIA
- An Indoor Golf Members Appreciation Event
- A YEA and Student Activities combined event
- Our first-ever WIA Book Club meeting!

We're truly creating an inspiring mix of educational, professional, and social opportunities that help us grow both as individuals and as a community.

I'd like to highlight an important aspect of our chapter's mission: Research Promotion. Each year, ASHRAE asks our executive board to contribute \$100 to the Research and Promotion Fund, which sets an example of commitment to advancing our industry. As I mentioned last month, our chapter aims to raise \$10,000 annually for this cause. This year, I'm extending the invitation to all members to contribute. Every donation helps fund research that improves building safety, sustainability, and energy efficiency worldwide. Please consider a donation of any size: [Donate Here](#)

To learn more about where your donation goes, check out [this link](#). It provides a great overview of how ASHRAE's research initiatives are advancing our field and making a real-world impact.

As we enter this busy season, it's easy to feel overwhelmed by social events, family commitments, and volunteer opportunities. Remember to be kind to yourself and know it's okay to say no when you need to recharge. Let's continue supporting each other and finish the year strong. I'm grateful for each of you and the energy you bring to our chapter. Together, we're making a real impact in our industry and community. Thank you for your continued involvement—I look forward to seeing you at our upcoming events!

Nicole Smith: President – ASHRAE Buffalo Chapter



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Website:

Check out our website for updated chapter information at www.buffaloashrae.org

Socials:



Follow us on LinkedIn

Editor's Note:

Do you have some ASHRAE related information to share with the chapter or an HVAC related event or opportunity to advertise? If so, please reach out to the newsletter editor and discuss options for publishing in the chapter newsletter.

Newsletter Disclaimer:

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YOUR CHAPTER NEWS IN ONE PLACE

The chapter has several board positions available. If you are interested in volunteering for one of the open positions, please reach out to our Chapter President: Nicole Smith



Women's Leadership Initiative Presents:
A Fall Fireside Chat with
Lois Gibbs

Thursday, November 14, 2024
6:00pm to 7:30pm

Hayes Hall at the University at Buffalo, Room 403
250 Hayes Road, Buffalo, NY 14214

In the late 1970s, Lois Gibbs, with no prior activism experience, fought for the evacuation and cleanup of her community after discovering that her Niagara Falls neighborhood sat upon chemical waste - now known as the Love Canal. Her work during the Love Canal crisis brought national attention to toxic waste issues, efforts that were pivotal in shaping environmental activism and policy.

Gibbs is now an accomplished speaker, published author, and winner of many awards including the 1990 Goldman Environmental Prize, the Fifth Annual Heinz Award in the Environment, the John Gardner Leadership Award from the Independent Sector, the 2007 Business Ethics Network Individual Achievement Award for Outstanding Contribution to Corporate Ethics, and the 2008 Green Corps Environmental Leadership Award. Gibbs was nominated for a Nobel Peace Prize in 2003. This event will focus and reflect on her grassroots activism, environmental policy and the ongoing battle for a cleaner, safer environment.

2024 ASHRAE BUFFALO CHAPTER HOLIDAY PARTY

December 5, 2024 | 6:00 PM to 9:00 PM
Curtiss Hotel
210 Franklin St, Buffalo, NY, 14202
[Add to Calendar](#) [Get Directions](#)

- 3-hour open bar
- Valet parking
- Rooftop view
- Dinner served at 6:45pm
- Attire: Cocktail formal (no jeans)
- Spouses and partners welcome!

INDIVIDUAL TICKETS: \$100

Please note seating is limited and we expect tickets to sell out!

SPONSORSHIP OPPORTUNITIES:

Bar Sponsor: \$400
Dinner Sponsor: \$400
Table Sponsor: \$150

Please contact Lizzie Hagerty (EHagerty@CannonDesign.com) if your company would like to take advantage of our sponsorship opportunities.



Check out Local Employment Opportunities!

ASHRAE is a great source to find your next career opportunity! Employers can easily post jobs at: <https://buffaloashrae.org/classifieds.php>.

- Postings are made available to the entire chapter membership through the website and the monthly newsletter.
- Postings never expire, they remain available until the employer fills the position or informs the chapter that the position is no longer available.
- There is a small, one-time fee of \$100 to post job openings. Proceed expenses.



Scholarship Opportunities!

Applications will be accepted from Engineering or Technical students majoring in Mechanical Engineering or in a technical course related to the field of Heating, Refrigeration and Air Conditioning.

Visit <https://www.ashrae.org/membership--conferences/student-zone/scholarships-and-grants/scholarship-program> to see what opportunities are available, or contact Andrew Nowak at anowak@mollenbergbetz.com

Advertise in the Chapter Newsletter!

Advertising in The Newsletter is a great way to promote your business to local industry professionals! The Newsletter currently offers a business card size (3.5" x 2") ad for \$50. Your ad will run in every issue of the newsletter for the 2024-2025 ASHRAE year! If you would like to place an advertisement in the newsletter, please follow the instructions below:

- E-mail a PDF copy of your ad to jmee@ipdengineering.com
- Please mail a check payable to ASHRAE Buffalo Chapter and address to:
ATTN: Eben Piazza
ASHRAE Buffalo Treasury
3132 Clinton Street

Buffalo, New York 14224



Welcome to our New Member:



- Mr. Alex Ensminger; student member at University at Buffalo

We're glad you've chosen to join the ASHRAE Buffalo Chapter and look forward to meeting you at our upcoming Chapter Events

OCTOBER CHAPTER MEETING RECAP

TECHNOLOGY OF VERTICAL FLOOD HEAT EXCHANGERS

presented by: BJ Muirhead and Maxi-Therm Inc.



Thank you to our Sponsor:



The October chapter meeting kicked off our monthly lunch meeting slate with an informative discussion on vertical flood chillers and district steam heating presented by Patrick Lach of Max-Therm Inc. Patrick spent much of his career working with and designing steam systems. The discussion enlightened the roughly 30 attendees to the benefits of using steam energy. Patrick also provided an overview of the basics of the stream heating design as well as how vertical flood heat exchangers differ from other stream heating methods available in the marketplace. Attendees left with a greater knowledge of the benefits of steamification and how flooded heat exchangers can lower the cost of installation, reduce maintenance, and save energy while minimizing the footprint of equipment. A heartfelt thank you to last year President Tom Marone of BJ Muirhead for arranging the presentation and sponsoring the meeting and congratulations to Lizzie Hagerty got winning the 50/50 raffle.

Thank you to our Speaker:

Patrick Lach, Vice-President of Sales and Business at Maxi-Therm Inc.



1 PDH Credit!

UPCOMING CHAPTER MEETING

| Date | Location | Topic and Speaker | Event Sponsor | Cost* |
|---|---|---|---|--|
| November 19, 2024 12:00 p.m. – 1:00 p.m. | Big Ditch 55 E. Huron St. Buffalo, NY 14203 | Geothermal Systems – Strategies for Success Presented by Kevin Austin from Water Furnace |  J.W. SWANSON & ASSOCIATES, LLC | Member: \$35.00 Non-member: \$40.00 Student: \$20.00 |

* Tickets purchased less than 24 hours prior to the event and at the door we will be assessed a \$10 late fee. Please RSVP prior to the 24-hour window so we can give a proper headcount to the restaurants and do not end up short or paying for extra seats.

UPCOMING YEA EVENT

| Date | Time | Location | Event Sponsor | Cost* |
|---|------|----------|---------------|-------|
| CHECK BACK SOON FOR EXCITING UPCOMING YEA EVENTS ! | | | | |

* Please reach out Kirk Feeny if your firm would be interested in sponsoring a future YEA Event. The chapter strives to keep these events free of charge for attending members so we're always in search of willing sponsors. Sponsoring firms will be recognized in the preceding newsletter.

PAOE SUMMARY

| Category | Minimum Points | Par Points | Total Points |
|-----------------------------|----------------|------------|--------------|
| Chapter Operations | 600 | 1500 | 90 |
| Chapter Technology Transfer | 550 | 1500 | 600 |
| Communications | 300 | 700 | 70 |
| Government Affairs | 500 | 1250 | 0 |
| Historical | 100 | 500 | 129 |
| Membership Promotion | 1000 | 1600 | 650 |
| Research and Promotion | 800 | 1050 | 0 |
| Student Activities | 500 | 800 | 0 |
| Young Engineers in ASHRAE | 300 | 900 | 725 |

* Point summary current as of 11/1/24.



| 2024-2025 CTT / PROGRAMMING | | | |
|--------------------------------------|---|-------------------------------------|--|
| Date & Time | Presenter / Topic | Date & Time | Presenter / Topic |
| September 24, 2024 5:00 – 7:00 PM | Extreme Event Engineering – Understanding IBC Seismic/Wind Restraint Requirements and Risks presented by Greg Schmelig of Vibro-Acoustics | February 18, 2025 5:00 – 7:00 PM | Induction Displacement in Classrooms and Chilled Beams in the Corridors Tour and Meeting at Cayuga Heights Elementary School |
| October 15, 2024 12:00 – 1:00 PM | Technology of Vertical Flood Heat Exchangers - How They Can Utilize Both Sensible and Latent Heat presented by Patrick Lach, VP Sales & Business Development at Maxi-Therm Inc. | March 11, 2025 12:00 – 1:00 PM | Distinguished Lecturer: Defining and Assessing Resilience More Details to Follow |
| November 19, 2024 12:00 – 1:00 PM | Geothermal Systems – Strategies for Success presented by Kevin Austin; Geothermal Heat Exchanger Consultant from Water Furnace International | April **tentative** | More Details to Follow |
| December 5, 2024 6:00 – 9:00 PM | Annual Holiday Party at the Curtiss Hotel, 210 Franklin Street, Buffalo, NY 14202 | May **tentative** | Trade Show, Tour, and Panel Presentation at the Buffalo History Museum More Details to Follow |
| January 14, 2025 12:00 – 1:00 PM | ASHRAE 241 Update More Details to Follow | June | Annual Golf Outing More Details to Follow |



In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness, and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism, and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.



A LESSON IN HISTORY



To the right is one of the last pictures of WH Carrier on a visit in 1950 to the first Centrifugal chiller installed by his company in 1923 at Onondaga Pottery Co., it was still operating at design parameters. And that's where we pick up the Carrier story – Centrifugals.

Though Carrier didn't invent centrifugal compressors he did perfect them for air conditioning use while others faced problems they could not overcome. Carrier's developments enabled air conditioning to move forward and impact comfort the world around.

Carrier left Buffalo in 1918 to join Irvine Lyle in New York. This allowed the pair to be closer to the Carrier plant in Newark. Mr. Carrier began looking at the state of air conditioning. He realized that other machines – generators, pumps - were moving from reciprocating to centrifugal machines, air conditioning was not.



One problem was finding the proper refrigerant. Willis went through chemical dictionaries until he found one with the right temperature and pressure properties, Dielene. He then set about designing the Centrifugal machine. He found a machine company to build it, C.H. Jaeger & Co based out of Germany. The seals failed on the first machines they installed. This was a problem that others were unable to solve. Mr. Carrier went to Germany himself and worked out a new design in his hotel room.

The first *Chiller* was introduced May 22, 1923, at the meeting of an organization called ASRE; the forerunner of ASHRAE. This was the granddaddy of all meeting presentations and to be sure folks attended ASRE hosted a boxing match. Four of the Carrier principals were past presidents of ASRE or ASHVE while at Buffalo Forge. ASRE and ASHVE later combined to become ASHRAE.

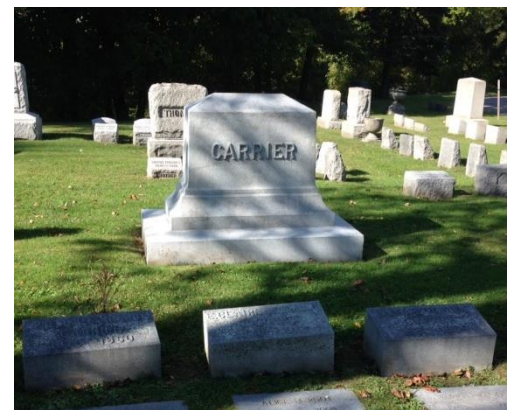
Carrier Engineering continued to improve on the design while using it to break into comfort air conditioning on a large scale. The first market was department stores (JL Hudson Co.) and then movie theaters (in Texas, NYC and Los Angeles). These venues introduced A/C to the public at large. Madison Square Garden's ice rink was next followed by the Houses of Congress and the White House. The government buildings were the first application where there was no profit consideration involved.

Later refrigerants were changed to Trichloroethylene for use on battleships, then the first Freon was introduced by Dr. Thomas Midgely, Jr. After that came Methylene Chloride which Carrier patented as Carrene I which doubled the capacity of the Dielene machines.

The next application was train cars which went back to ammonia systems. These were commissioned by the B&O Railroad. In 1930 the dining car in the special train for the ASHVE national meeting was air conditioned. Willis Carrier was the guest of honor where he was hailed as 'The Chief of the Air Conditioning Industry'.

Later that year the Carrier Corporation was formed by the merger with Brunswick-Kroeschell Co. and York Heating and Ventilating Corp. This expanded their manufacturing, marketing and engineering departments.

The next market was skyscrapers which required special space saving ductwork systems – the 'Weathermaster' systems. These were developed after the merger and, along with development of residential A/C, allowed the complete of the transformation from a world controlled by climate to one where the indoor climate was controlled by man. Many were responsible but none came close to doing so much as Willis Havilland Carrier, the Father of Air Conditioning.



He died soon after visiting the Old No.1 chiller pictured above and is buried in Forest Lawn Cemetery in Buffalo.



Member Spotlight

Members are the foundation of our chapter. There are a lot of members of the Buffalo Chapter of ASHRAE and we want to get to know all of you! Each month we're going to ask one of our members some questions so the chapter can get to know them better.



This month we're going to get to know Rick Robinson a little bit better. Rick is formerly of JW Danforth in many roles including service, estimating, and project management. Rick was with Danforth for 43 years. Prior to Danforth, Rick spent time working for the State of Massachusetts in the roadway department. Rick has been an ASHRAE member for 44 years and has previously served in several officer positions, and on the awards committee. He is currently our Historian.

Q: What aspect of your job did you find most rewarding?

A: I really enjoyed problem solving. When I was in the service department I really enjoyed getting things working again figuring out why there were issues.

Q: What do you like most about being an ASHRAE member?

A: Being in ASHRAE let me learn a lot about other aspects of the HVAC industry through my interactions with the other members. I learned a lot about what drove them in their projects, sometimes the same projects I was working on, and it gave me new perspective on my and their roles in our work.

Q: What is your favorite part about living in Western New York?

A: The people. It is the city of good neighbors after all.

Q: What drove you to a career in HVAC?

A: My uncle was in charge of Danforth when I started there, so it was somewhat of a family business. I started working over breaks while I was in college and went right into a full-time job as steam fitter once I graduated.

Q: Tell us something most members would not already know about you.

A: My college majors were political science and history. Not engineering. When I approached my uncle about changing majors to more align with a future career at Danforth, he told me not to. He wanted someone who could talk to people, so I stayed in my enrolled major and went in contracting anyways.

Q: How do you spend your free time?

A: Now that I'm retired, I enjoy spending my time volunteering, gardening, fishing, participating in ASHRAE events, and when time permits cottaging.

Q: What is your favorite travel destination?

A: Although I'd like to travel more, I haven't done much traveling in my life. The favorite place I've traveled is Algonquin Park in Ontario Canada. I like the closeness to nature and the seclusion up there. It's a place I've vacationed many times, back to my childhood.

Q: Any words of wisdom for our members?

A: When you work, you will sometimes err, face up to it, fix it, and get on with it. Don't dwell on mistakes. Learn from them and don't make them again.

Q: If you could have any superpower what would it be?

A: Although many of them would be useful, x-ray vision would have come in really handy during my contracting days. Being able to see behind walls and above ceilings at pre-bid walk-thrus would have given me quite the advantage.



FREE! Women in ASHRAE Happy Hour

November 19, 2024
4:30 PM - 6:30 PM
[Add to Calendar](#)

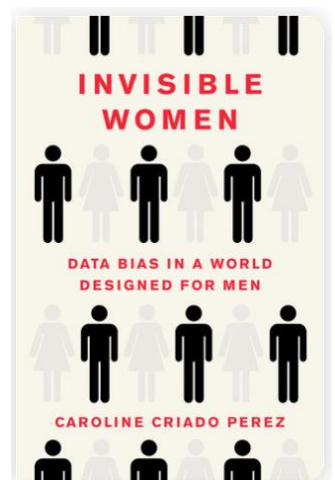
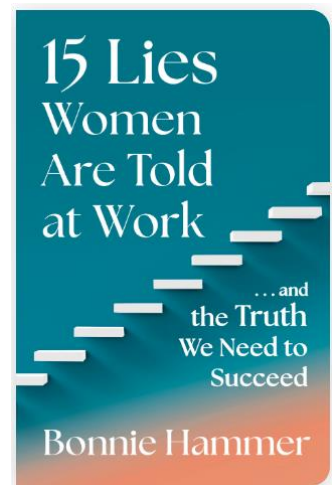
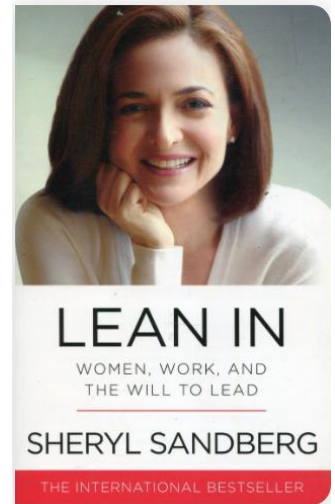
Lucky Day
320 Pearl St
Buffalo, NY 14202
[Venue website](#)
[Directions](#)

[REGISTER NOW](#)

The Buffalo ASHRAE chapter is hosting a Women in ASHRAE (WIA) happy hour. This new initiative, formed nationally in 2015, “aims to provide leadership opportunities for women within ASHRAE and create a networking platform to support the retention of women in the HVAC&R industry. The group welcomes engineers, manufacturers' representatives, sales representatives, architects, and individuals from all backgrounds who support this initiative.”

The chapter’s first happy hour is a free, informal introduction to the WIA initiative within the Buffalo ASHRAE chapter and is open to all chapter members, women and allies (men), interested in discussing the group's objectives. We invite you to join us!

The WIA initiative was first introduced to the chapter with our October Newsletter. Our WIA chair-people are excited to start a book club. This book club will be centered around books that bring attention to what is like to be a woman in a male dominated world. We remain open to suggestions on how to move forward with this new the book club. We’ve suggested any one interested in joining our book club start with the three books shown on the right of the page. The first meeting for our book club will take place on January 22, 2025. At this meeting we’ll be focusing on the book *Lean In: Women, Work, and the Will to Lead* by Cheryl Sandberg. Time and location for our first meeting has yet to be determined. Even if you cannot make the book club meeting(s) we would still highly recommend reading the three books for additional perspective.





Employment Opportunities

Mechanical Engineer

Trautman Associates

https://buffaloashrae.org/classifieds.php?record_number=6

May 28, 2024

As a Mechanical Designer, you'll specialize in commercial projects that range from groundbreaking new constructions to transformative renovations.

1. Collaborate with multidisciplinary teams to design mechanical systems that meet client needs and exceed industry standards.
2. Prepare construction documents and conduct comprehensive energy modeling and calculations.
3. Ensure compliance with energy codes and regulations.
4. Conduct field surveys to assess existing HVAC, Plumbing and fire protection infrastructures.
5. Engage in construction administration activities.
6. Lead teams through project milestones.

What we are looking for in our next Mechanical Designer:

1. A bachelor's degree in Mechanical Engineering.
2. A minimum of 5 years of professional experience.
3. Proficiency in AutoCAD, Revit, Bluebeam, and MS Office.
4. Understanding of relevant codes and standards.
5. Ability to manage multiple projects concurrently while meeting deadlines.
6. A collaborative spirit and excellent communication skills.

If you're a motivated individual who shares our values and is seeking a fulfilling career in mechanical design, we'd love to welcome you to our team! Join us at Trautman Associates and become part of our vibrant community. Apply today and let's build a brighter future together.

Contact Information

Marisa Scroger

mscroger@trautmanassoc.com



ASHRAE PROFESSIONAL CERTIFICATIONS

Click each badge to learn more about the benefits of each ASHRAE professional certification



Building Commissioning Professional (BCxP) Certification

ASHRAE’s BCxP certification program validates competency to lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings.



Building Energy Assessment Professional (BEAP) Certification

The BEAP certification, an ANSI-Accredited Personnel Certification Program under ISO/IEC 17024 (#1139), validates competency to assess building systems and site conditions; analyze and evaluate equipment and energy usage; and recommend strategies to optimize building resource utilization.



Building Energy Modeling Professional (BEMP) Certification

The BEMP certification, an ANSI-Accredited Personnel Certification Program under ISO/IEC 17024 (#1139), validates competency to model new and existing building and systems with the full range of physics; and evaluate, select, use, calibrate and interpret the results of energy modeling software where applied to building and systems energy performance and economics.



Certified HVAC Designer (CHD) Certification

The CHD certification, managed under ISO/IEC 17024 requirements for ANSI-Accredited Personnel Certification Programs, validates competency to design HVAC systems to meet building/project requirements, including equipment, equipment sizing, load calculations, mechanical equipment room design, duct and piping design and layout, and develop HVAC plans for permit and construction.



Certified Decarbonization Professional (CDP) Certification

The CDP certification program validates competency of the decarbonization professional to do the following: Assess, analyze, and develop effective and sustainable strategies that reduce/eliminate the life-cycle carbon footprint of new and existing buildings.



High-Performance Building Design Professional (HBDP) Certification

The HBDP certification, an ANSI-Accredited Personnel Certification Program under ISO/IEC 17024 (#1139), validates competency to design and integrate sustainable HVAC&R systems into high performing buildings.



Healthcare Facility Design Professional (HFDP) Certification

The HFDP certification validates competency to incorporate standards and guidelines as well as unique healthcare facility requirements and design principles in HVAC system design.



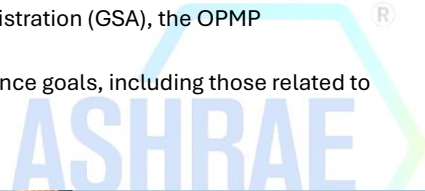
Operations and Performance Management Professional (OPMP) Certification

Developed with the participation of APPA and the General Services Administration (GSA), the OPMP certification validates competency to do the following:

Manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.



WHY GET CERTIFIED?



BUFFALO CHAPTER OFFICERS AND COMMITTEE CHAIRS

| | Name | Company | Phone | Email |
|--|--|---|--|--|
| President | Nicole Smith | Cannon Design | 716-774-3256 | nsmith@cannondesign.com |
| President-Elect | Stacia Valik | Stark Tech Group | 716-693-4490 | valiks@starktech.com |
| Vice President | Elizabeth Hagerty | Cannon Design | 716-774-3381 | ehagerty@cannondesign.com |
| Secretary | Dan Arnold | JW Swanson | 716-877-6900 | darnold@jswanson.com |
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| Board of Governors | John Stuber | U&S Services, Inc. | 716-693-4490 | stuberj@usservicesinc.com |
| Board of Governors | Thomas Marone | BJ Muirhead Co. | 631-599-3971 | tmarone@bjmuirhead.com |
| Historian | Rick Robinson | Retired | 716-983-6292 | krrjr49@outlook.com |
| Scholarships | Russ Stuber Drew Nowak Nick Farina | Retired Custom Sheetmetal Victaulic | 716-693-4490 716-614-7472 716-961-8844 | russstuber@gmail.com anowak@mollenbergbetz.com nick.farina@victaulic.com |
| Awards | Rick Robinson Russ Stuber | Retired Retired | 716-983-6292 716-693-4490 | krrjr49@outlook.com russstuber@gmail.com |
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| Research Promotion | Jake Muller | Stark Tech Group | 716-693-4490 | mullerj@starktech.com |
| Young Engineers | Nicole Smith | Cannon Design | 716-774-3256 | nsmith@cannondesign.com |
| Student Activities | Kirk Feeney | Trane Commercial Systems | 716-449-9250 | kirk.feeney@trane.com |
| Webmaster | Thomas Marone | BJ Muirhead Co. | 631-599-3971 | tmarone@bjmuirhead.com |
| CRC Delegate | Nicole Smith | Cannon Design | 716-774-3256 | nsmith@cannondesign.com |
| CRC Alternate | Elizabeth Hagerty | Cannon Design | 716-774-3381 | ehagerty@cannondesign.com |
| Grassroots Government Advocacy | Charlie Grochowiak | RF Peck | 716-276-8933 | cgrochowiak@rfpeck.com |
| Sustainability | Krista Wayne | Cannon Design | 716-774-3459 | kwayne@cannondesign.com |
| Woman in ASHRAE | Nicole Smith Elizabeth Hagerty | Cannon Design | 716-774-3256 716-774-3381 | nsmith@cannondesign.com ehagerty@cannondesign.com |
| Diversity, Equity and Inclusion | Nicole Smith | Cannon Design | 716-774-3256 | nsmith@cannondesign.com |

BOARD OF GOVERNORS MEETING MINUTES

When: Tuesday October 9, 2024 @ 5:00 PM

Attendees: Nicole Smith
Eben Piazza
Elizabeth Hagerty
Rick Robinson
Chris Fecio
Krista Wayne
Charlie Grochowiak
Joshua Mee
Stacia Valik

1. President:
 - a. Yearly Goals:
 - Focus on community engagement
 - Educate K-12, colleges and trade schools about the different job opportunities there are within the built industry
 - There are two videos linked in the POAE guide above that everyone on the board needs to watch – once you watch please let Nicole know
 - Have a combined event with Toronto or Mumbai
 - When we have a first-time attendee at a meeting all exec board members who are present should meet and greet new member
 - Track who attends the society level meetings
 - b. Monthly Topics:
 - Review bank account audit
 - Goals for cost savings this year:
 - Canceled gmail account – save \$199 a year.
 - Increase annual golf outing ticket prices.
 - Add a second large indoor golf event.
 - Have 50/50s at all monthly meetings.
 - Sponsors for website.
 - Shop venues for Holiday party.
 - Add trade show to history museum event.
 - All monthly meetings besides the first and last of the year to be located at Big Ditch.
2. President Elect (CTTC):
 - a. Yearly Goals:
 - Make sure the monthly meetings are cost effective for ASHRAE to help turn a profit.
 - Increase annual attendance at meetings by least 10%.
 - b. Monthly Topics:
3. Vice-President:
 - a. Yearly Goals:
 - Create a schedule for all posts and email correspondence so we have consistent messaging.
 - Earn at least 150 PAOE points through the social meeting posting options.
 - Plan a cheaper holiday party.
 - b. Monthly Topics:
4. Secretary:
 - a. Yearly Goals:
 - Create notes from BOG monthly meetings.
 - Document what each exec board member's responsibilities are.

- b. Monthly Topics:
5. Treasurer:
 - a. Yearly Goals:
 - Spend less money and raise more money.
 - Get bank account back to level of comfort.
 - b. Monthly Topics:
6. Historian:
 - a. Yearly Goals:
 - Identify and document greatly influential DEI person.
 - Digitizing complete chapter historical archives.
 - Chair or Co-chair serves 2 or more years.
 - Member of a committee other than chair.
 - 5-year history of chapter/person/system standard.
 - Historical display of CRC.
 - Chapter timeline.
 - History program with minimum 5-minute speaker.
 - Interview fellow or life member (once/5 years).
 - Personally inviting life member to a meeting.
 - Articles on chap, co, mbr (+5 pts ea special pubs).
 - b. Monthly Topics:
7. Scholarships:
 - a. Yearly Goals:
 - Make sure that the scholarship is well advertised.
 - Have a new recipient for the scholarship this year.
 - Grow the account the same amount that we give away each year so that it can be a continuous gift to the community.
 - b. Monthly Topics:
8. Awards:
 - a. Yearly Goals:
 - Verify who qualifies for awards, gather information needed to fill out the application and give out as many awards as possible for our chapter's members this year.
 - b. Monthly Topics:
9. Membership:
 - a. Yearly Goals:
 - Get membership to 210 members.
 - Host a membership appreciation event.
 - Look into when our membership amount ticks into being more expensive.
 - b. Monthly Topics:
10. Newsletter:
 - a. Yearly Goals:
 - Issue minimum of 9 newsletters, each newsletter in advance of the monthly meeting.
 - Increase newsletter sponsors (zero last year).
 - b. Monthly Topics:
 - Information still needed for October newsletter: President's address, additional information on the CTT schedule (currently only have details on meetings through October), History Article, BOG minutes (after meeting). Targeting distribution Friday 10/11 so it's out no more than weeks after the last monthly meeting.
 - Discuss some additions to the newsletter (such as a member or project spotlight) and should we be advertising ASHRAE certifications?
 - Discuss reducing sponsorship fee. Twin Tiers charges \$50 for the year, we're asking \$100 for the year.
 - Anyone have anything interesting or upcoming events that should be advertised to membership?

11. Refrigeration:

a. Yearly Goals:

- Take the chapter on a visit to a local building with a refrigeration system to obtain points under CT27. This will be a minimum 30-minute walkthrough with presentation from equipment rep or manufacturer in the mechanical equipment room. Currently looking at Key Bank Center.

b. Monthly Topics:

12. Research and Promotion:

a. Yearly Goals:

- Make high five status.
- Sell all the squares for the Superbowl squares and adjust payouts to be more profitable for ASHRAE.
- Figure out a second way to raise money for research and promotion.

b. Monthly Topics:

13. YEA:

a. Yearly Goals:

- Host two YEA events one in the fall and one in the spring. Fall event will be a volunteer day. Spring event will be a tour of the new Bills stadium for 10 YEA members.
- Work with SA to host events at local k-12 schools, trade schools and universities to educate about our industry.

b. Monthly Topics:

14. Student Activities:

a. Yearly Goals:

- Engineering / contractor firm Intern student networking event.
 - Q/A, discussion and coaching next generation.
 - Exposure to different people and roles within our local industry.
- Grow presence and involvement at UB student chapter in local activities.
 - Meet with SBA, investigate design competition for Spring.
 - Find out who is currently teaching energy systems / heat transfer / fluid mechanics / thermo.
 - Present to these students about what ASHRAE is and general local industry opportunities and career paths and how ASHRAE can be a great organization to be involved with.
 - Track PAOE points and plan activities to reach par for student activities PAOE points.

b. Monthly Topics:

15. Webmaster:

a. Yearly Goals:

- Work to get sponsors for the website.
- Update the website for the year to have the correct people in their positions.

b. Monthly Topics:

16. Grassroots and Advocacy:

a. Yearly Goals:

- Have our Engineering community get involved with writing grants for local projects.
- Increase chapter literacy regarding local, state, and federal tax incentives for both Designers and Building owners.

b. Monthly Topics:

17. Sustainability:

a. Yearly Goals:

- Create a sustainability committee before December 2024 (CO5 – create a committee).
- One sustainability focused lunch and learn (CO5 –hold 2 events, this could count as 1 of those events). Second half of AHSRAE year.
- Invite ASHRAE to Cannon’s EA Tradeshow to count as a sustainability event for the chapter (CO5 –hold 2 events, this could count as 1 of those events). Oct 16th, 2024.
- Help create a sustainability focused trade show at the May meeting.

b. Monthly Topics:

18. WIA:

a. Yearly Goals:

- Host events where women and advocates (those who don't identify as a female) can attend to have a safe space to discuss what it is like to be a female in a male dominated world.
- Host multiple volunteer events to support women in our community.
- Create a book club that will read books about the struggles that women encounter in the workplace.
- Make sure it is well known that this group is open to ALL females and advocates within the built industry this includes administrative staff.

b. Monthly Topics:

19. DEI:

a. Yearly Goals:

- Create a local chapter that feels inclusive to everyone.
- Visit local schools of all ages to promote our industry.
- Have a 5-minute presentation for DE&I at a minimum of one monthly meeting.
- Host multiple community engagement events throughout the year.

b. Monthly Topics:

20. Next Meeting: November 12, 2024.