

December 2024

VOLUME 66, NUMBER 4 EDITOR: Alexi Drozd

Denver Monthly Meeting Information

DATE: Wednesday, December 4th, 2024

TIME: 5:00pm – 7:00pm

LOCATION: Jacksons Downtown
1520 20th St, Denver, CO 80202

RSVP: <https://rockymtnashrae.com/meetinginfo.php>

COST: \$35 Member / \$45 Non-Member

NOTE: Cost to attend increases by \$10 if you register after 5am MST on December 2nd

FoCo Monthly Meeting Information

DATE: Wednesday, December 4th, 2024

TIME: 11:00am – 1:00pm

LOCATION: Northside Aztlan Community Center
112 Willow St Fort Collins, CO 80524

RSVP: <https://rockymtnashrae.com/meetinginfo.php?id=401>

COST: \$20

“Presentation: Hydronic Balancing”

A session on why hydronic balancing is important, with an overview of balancing methods and how they relate to both the TAB process as well as operating efficiencies. Being mindful of how balancing directly impacts start up, long term pump/unitary performance, and occupant comfort is crucial to total system success.



Meet the Speaker: Kirk Phipps - Director of Sales for Hays Fluid Controls

Starting with Hays Fluid Controls in 2009, Kirk Phipps has now spent 15 years dedicating his time to ensuring projects of all types have proper distribution of flow. Having been in a variety of roles, he is currently the Director of Sales managing a team of regional managers and providing consultation within the market segments of Commercial HVAC, Plumbing, Industrial Process, and onboard systems for both the US Navy and private marine vessels.

Announcements

Apply for Scholarships!

ASHRAE Rocky Mountain Chapter Scholarships will be awarded to full-time or part-time students attending the spring semester of 2025. The selection process will focus on interest, goals, needs, and academic performance. While ASHRAE membership is highly recommended, active participation in a student chapter, if applicable, is also favored.

- **Deadline:** January 12, 2025
- **Application Link:** see the SA section below
- **Eligibility Criteria:**
 1. Signed general application form.
 2. A cover letter (two pages max) outlining your interests, goals, internship experience, and financial need.
 3. A one-page resume.
 4. A one-page summary of scholastic achievements and involvement in ASHRAE.



PRESIDENT'S MESSAGE

Happy Holidays!

Thanks to Jeff Kwoikoski for speaking last month. We're looking forward to Kirk Phipps presenting on hydronic balancing both in Fort Collins and Denver!

The December meeting is extra special because it is Past President's Night, so join us in celebrating with them. There will be a YEA Happy Hour beforehand and remember that even though it is a YEA event all are welcome! Additionally, it is membership promotion night so if you bring a non-member you will be entered to win a \$100 gift card!

Our chapter is getting ready for some fun events this winter and spring, including both a Brewery Tour in April and a Golf Tournament on Friday, May 16th.

Our Young Engineers in ASHRAE (YEA) committee is currently looking for potential tours and speakers, so if you or someone in your office are interested please reach out to yea@rockymtnashrae.com!

Additionally, if you are interested in participating more in our chapter, please come by our next Board of Governors meeting on Tuesday 12/17. We are always looking for more volunteers. More information can be found on the website: [Rocky Mountain ASHRAE - Home Page \(rockymtnashrae.com\)](http://Rocky Mountain ASHRAE - Home Page (rockymtnashrae.com))

See you all next week!

Caitlin Anderson

Rocky Mountain Chapter ASHRAE President

2024-2025 Rocky Mountain ASHRAE Board of Governors

Voting Position	Name	Non-Voting Position	Name
President	Caitlin Anderson	Membership Promotion Co-Chair	Natalie Schmitt
President Elect/ RP/ Tech Conf	Kait Sporleder	Membership Promotion Co-Chair	Matthew Miceli
Vice President/ CTTC	Sara Persily	YEA Co-Chair	Nate Ducey
Treasurer	Nate Ralphe	YEA Co-Chair	Alaina Lee
Secretary	Matthew Krist	Student Activities Co-Chair	Alexi Drozd
Newsletter Editor	Alexi Drozd	Student Activities Co-Chair	Ben Vickery
Past President	Scott McQuoid	Student Activities Co-Chair	Steve Ferguson
Director	Trevor Bromberg	Student Activities Co-Chair	Clayton Partridge
Director	(Vacant)	Government Advocacy Chair	Voytek Gretka
Northern Section Chair	Mike Fulton	Webmaster	Julia Carlson
Sustainability	Nolan Amos	Historian/Social Media Chair	Jacob Mazar
		Honors and Awards	Chris Cloutman



RESEARCH PROMOTION

THANK YOU TO ALL OF OUR 2023-2024 DONORS!

During the 2023-2024 year the Rocky Mountain Chapter raised **\$115,811** for ASHRAE Research. This would not be possible without the support of our sponsors. Let's see if we can beat this for the 2024-2025 year! The following individuals and companies generously supported ASHRAE RP and the Rocky Mountain Chapter. Your contributions are appreciated. Thank you for making a difference!

<u>Organizations:</u>		<u>Individuals:</u>		
PLATINUM SPONSOR Over \$20,000 Western Mechanical Solutions	Taft Engineering Shamrock Sales IMEG Corp. Seeley International Americas ATS – Rocky Mountain Blackmore & Glunt Inc – Rocky Mountain Carrier West Incorporated Engineered Products Company LONG Building Technologies Swanson Rink & Associates Rocky Mountain NEBB	\$250 to \$999 Ronald Thomas Matthew Edwards Sheila Hayter Michael Fulton Kevin Parrot Tim Hallett Andrew Persily Andrew Tenhundfeld Sara Frame Scott McQuoid David Rodenberg	BCER Engineering Olson Forensic Solutions Nelnet Renewable Energy McGrath Incorporated SMACNA Colorado Trane Denver Setpoint Technology Center KMC Controls – Rocky Mountain Pottorff Group14 Engineering Daikin McNevin Company MTech MDP Engineering	\$150 to \$249 Dynamic Controls Cator, Ruma & Associates \$1 to \$149 E Cube Inc Engineered Air \$1 to \$149 C Willis Long Kaitlyn Sporleder Matthew Miceli David Olson Rachel Romero Sara Persily
Gold SPONSOR \$10,000 to \$19,999 CFM Company		\$250 to \$999 Evaporative Solutions Camfil Farr Xcel Energy Thomas B. Mansfield Co. Pentad Associates RKR Corporation Webster Associates Automated Logic Corp Apollo Valves		
Silver SPONSOR \$5,000 to \$9,999 Air Purification Company				
\$1,000 to 4,999 GSC Tempered Air Group McCoy Sales Corporation TM Sales DVL Group The RMH Group				

Individual contributions of \$150 or more and Corporate contributions of \$500 or more receive this year's Commemorative Coin and Honor Roll Contribution status. Donations are tax deductible, by check or credit card online at: www.ashrae.org/contribute

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For questions please visit the ASHRAE RP website: <https://www.ashrae.org/rp>

or contact Kaitlyn Sporleder at: kait@airpurificationcompany.com

HONORS & AWARDS

To learn more about ASHRAE's Honors and Awards Program [Click Here!](#)



YOUNG ENGINEERS IN ASHRAE (YEA)

ASHRAE YEA Happy Hour

Sponsored by LONG

Date: December 4th, 2024 Time: 4:00 PM - 5:30 PM Location: Jackson's LoDo Address: 1520 20th St, Denver, CO 80202

Join us for a Pre-Dinner Meeting Happy Hour!

Start your evening with an exciting Happy Hour before the Rocky Mountain ASHRAE December Dinner Meeting! YEA members, this is your chance to connect with peers, expand your professional network, and discover new opportunities—all in a relaxed and friendly atmosphere at Jackson's LoDo.

Special Thanks to LONG We deeply appreciate Trane's generous sponsorship, which plays a vital role in strengthening the HVAC community within the Rocky Mountain chapter.



Spread the Word! Feel free to share this event with your colleagues and peers. We look forward to seeing you there!

MEMBERSHIP PROMOTION

Welcome to the "The Membership Promotion Page." We would like to welcome the following new ASHRAE members who joined this summer:

Sara Duckett

Joel Trantham

Collin Pautsch

Phillip Gee

Kevin Dini

Katie Leiker

Jason Aguirre

Jonathan Garber

Millig Design Build

20/20 Engineering

CaptiveAire

Burns & MecConnell

Albireo Energy

Group 14 Engineering

Albireo Energy

360 Engineering

Jessica Lorentz

Zane Perez

Jim Ratcliffe

Mehari Tesfay

Libby Bachman

Bolder Energy Engineers

Salas Obrien

Wago Corporation

Actuate Facility Technologies

Mead & Hunt

If you have questions or need membership assistance, please send an email to membership@rockymtnashrae.com

Also, please look around your company and through your contacts to let people know about the benefits of joining ASHRAE. We continue to bring in new members of the industry to keep them involved with technology and standard advancements.

If you or someone you know has fallen on hardship and cannot renew your membership, ASHRAE can offer assistance -- please reach out to membership@ashrae.com



STUDENT ACTIVITIES

Attention students and emerging professionals in the HVAC&R field! The ASHRAE Rocky Mountains Chapter is excited to announce that applications for the 2025-2026 academic year scholarships are now open. Eligible applicants can receive up to \$10,000 annually. This is a fantastic opportunity to further your education and advance your career in heating, ventilation, air conditioning, and refrigeration.

ASHRAE's scholarships aim to inspire students worldwide to pursue careers in engineering or technology within the HVAC&R industry, part of the broader STEM field. These scholarships not only provide financial support but also help educate and prepare future engineers to contribute to the HVAC&R profession.

Beyond financial assistance, these scholarships offer incredible opportunities to stay updated with the latest industry developments. You'll explore cutting-edge topics such as energy storage technologies, strategies for controlling airborne diseases in buildings, and the challenges related to decarbonizing the building sector.

By applying, you'll gain more than just funds—you'll gain access to exclusive expos, student events, and a network of industry professionals. Engage with experts, exchange ideas with thought leaders, and dive into the future of HVAC&R!

National Scholarship Details:

- **Deadline:** December 1, 2024 (for Fall 2025 scholarships)
- **Application Link:** [ASHRAE Scholarship Program](#)
- **Eligibility Criteria:**
 1. A cumulative GPA of 3.0 or higher (or top 30% of class) evidenced by transcripts.
 2. Three letters of recommendation (from an instructor, employer, and character reference).
 3. Demonstrated interest in the HVAC or refrigeration profession.
 4. Financial need.
 5. Excellence, character, and leadership qualities.
 6. Community service or extracurricular activities, such as participation in the arts, music, athletics, volunteerism, or humanitarian groups.

Additionally, we offer scholarships at our **Rocky Mountain Chapter Student Night** on February 5, 2025. Scholarships will be awarded to full-time or part-time students attending the spring semester. The selection process will focus on interest, goals, need, and academic performance. While ASHRAE membership is highly recommended, active participation in a student chapter, if applicable, is also favored.

- **Deadline:** January 12, 2025
- **Application Link:** Provided on the next page, please submit to Alexi Drodz at the listed contact information.
- **Eligibility Criteria:**
 1. Signed general application form.
 2. A cover letter (two pages max) outlining your interests, goals, internship experience, and financial need.
 3. A one-page resume.
 4. A one-page summary of scholastic achievements and involvement in ASHRAE.

A third opportunity is the **ASHRAE Winter Conference Scholarship**, offering up to \$1,500 to cover expenses for the conference held in Chicago, IL, in January 2025.

- **Deadline:** December 1, 2024
- **Application Link:** Page 4, submit to Alexi Drozd.
- **Eligibility Criteria:**
 1. Be an ASHRAE member.
 2. Not be a previous recipient of a Rocky Mountain ASHRAE scholarship for a society conference.
 3. Attend at least five sessions and one networking event at the conference.
 4. Attend a regular chapter meeting for an introduction before or after the conference.
 5. Write an article about your experience for the Rocky Mountain ASHRAE Newsletter (due within two months post-conference).

Don't miss this chance to boost your academic and professional journey! Apply today, and take the next big step toward your career goals. For more details and to access applications, visit our website or contact Alexi Drozd at Alexi.Drozd@aecom.com. We look forward to supporting your growth and seeing you at our upcoming events!



Alexi Drozd
Phone: (303) 796-4634
Alexi.Drozd@aecom.com
www.rockymtnashrae.com

ROCKY MOUNTAIN CHAPTER SCHOLARSHIP APPLICATION GENERAL INFORMATION

PERSONAL DATA *(Please type or print in ink)*

Last Name, First, MI Preferred Telephone No. E-mail

Student's Campus Address

City State Country Zip Code

Student's Home Address

City State Country Zip Code

Preferred method of contact: _____ Campus Address/Phone _____ Home Address/Phone

EDUCATION

High School Location Year of H.S. Graduation

College or University Now Attending or Accepted to Location Major Program of Study

Cumulative Grade Point Average (GPA/Scale)

No. of Terms to Complete Degree (excluding current term) Anticipated Month & Year of College Graduation

IMPORTANT: Submit completed application with the following documentation in one package postmarked on or prior to the application deadline or by email:

- a. Application General Information with signature
- b. A cover letter (two-page maximum) describing interests, professional goals, internship experience, and financial need.
- c. A one-page current resume.
- d. A one-page document describing scholastic achievement and involvement in ASHRAE

I believe all of the above information as a part of this scholarship application to be true and complete and I hereby apply to the Rocky Mountain Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. for an ASHRAE Scholarship. I certify that I am not receiving full funding for my education from an employer, any branch of the Armed Services or other organization. In signing below, I agree to hold ASHRAE harmless from any and all liability for damage, injury, or loss sustained by me in connection with this application.

Date Signature of Applicant



ASHRAE Winter Conference Student Scholarship Application

The scholarship includes up to \$1500 to be spent on expenses for the ASHRAE Winter Conference on Jan 20-24, 2024 in Chicago, IL.

Applicants are required to:

- Be an ASHRAE member
- Not be a previous recipient of a Rocky Mtn ASHRAE Chapter scholarship for a society conference.
- Attend at least 5 sessions and 1 networking event (Welcome Party, Presidential Lunch, Member's Night out) at the conference
- Attend regular meeting to be introduced prior to the conference or right after.
- Write an article for the Rocky Mtn ASHRAE Newsletter on experience (submit within 2 months of return. ½ page to 1 page length.) Send to newsletter@RockyMtnASHRAE.com.

Please fill out the application below:

<p><i>Full Name:</i> _____</p> <p><i>College or University:</i> _____</p> <p><i>Major Program of Study:</i> _____</p> <p><i>Email Address:</i> _____</p> <p><i>Phone:</i> _____</p> <p><i>Age:</i> _____ <i>Years as ASHRAE member:</i> _____</p>

The scholarship recipient must present us with all receipts in order to get reimbursed. ASHRAE will reimburse the recipient after they have incurred the expenses not before.

Please provide a brief description of why you feel that you deserve to attend the ASHRAE Winter Conference:

Submit by **December 01, 2024** to Student Activities Chair

Alexi Drozd

Alexi.Drozd@aecom.com



HISTORY

Over the past decade, the ASHRAE Rocky Mountain Chapter has experienced significant growth, expanding its membership and influence in the HVAC industry. This growth can be attributed to increased engagement through educational programs, networking events, and community outreach initiatives that delve into emerging technologies and sustainability practices. The chapter has also fostered collaborations with local businesses and educational institutions, enhancing its role as a key resource for professionals seeking to stay informed about industry standards and innovations. Ultimately, this trajectory positions the chapter as a vital player in shaping the future of HVAC in the Rocky Mountain region.

SUSTAINABILITY

No Update

GOVERNMENT AFFAIRS

DOE Announces Solar Decathlon 2025 Design Challenge Teams

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy announced the beginning of competition for the Solar Decathlon 2025 Design Challenge by sharing the 122 teams from 93 collegiate institutions that will compete. The competition, which includes ASHRAE as a sponsor, encourages teams to create "energy-efficient, resilient, and sustainable building designs that meet community needs through affordable upgrades, existing building retrofits, resiliency improvements, and more." The teams will present their residential or commercial building designs in February 2025, with finalists competing again on April 25–27, 2025 at NREL in Golden, CO. Read more [here](#).

New Grid Resilience Funding Available to States and Tribes

The DOE [announced](#) that states, tribal nations, and Washington D.C. received a total of \$476 million in Grid Resilience State and Tribal Formula Grants during fiscal year 2024 (FY24). The purpose of the grants is to modernize the electric grid to reduce the impacts of extreme weather events while also stabilizing the power sector and its reliability. The grants awarded stretched across 49 states and 254 Tribal Nations in FY24. \$813 million was allocated in awards from FY22-FY23 and to date DOE has awarded a [grand total of \\$1.3 billion](#) in Grid Resilience State and Tribal Formula Grants.

You can click [here](#) for a full list of awards given to states, tribal nations, and Washington D.C.

DEI

Holidays Celebrated in December

Whether you celebrate Christmas or Hannukah (the 2 most commonly celebrated December holidays in the United States), did you know that there are at least 11 other holidays celebrated in December around the world? It's great to learn about other cultures' & religions' traditions...here's a few you may not know about!

St. Nicholas Day- December 6th celebrated by Christians in European countries like Belgium, Switzerland, France, etc.

Rohatsu - December 8th celebrated by Buddhists honoring the day the Buddha achieved enlightenment

Yule - December 21st celebrated by Pagans honoring the Winter Solstice

EMPLOYMENT OPPORTUNITIES

[Find more information here!](#)

