



November 2023

Alaska Chapter Newsletter  
Hot Gas Bypass

ASHRAE Monthly Meeting Information

Anchorage Meeting

Presentation:  
Heat Pumps and Thermal Energy Storage

Date & Time:  
Thursday, November 16, 2023  
17:30 – 19:00

Cost:  
\$25.00

Location:  
Trane Office  
12101 Industry Way  
Anchorage, AK 99515

Fairbanks Meeting

Presentation:  
No In Person Meeting this Month.  
Please Join us online for the Anchorage Meeting on November 16, 2023.

Date & Time:  
Thursday, November 16, 2023  
17:30 – 19:00

Cost:  
Free

Location:  
Online

Alaska Chapter Officers and Chairs

Nathan Lang, President  
Nathan.Lang@victaulic.com

James Boggs, President-elect/CTTC Member  
jboggs@amc-engineers.com

Jesse Wight-Crask, Secretary  
Jesse.Wight-Crask@respec.com

Philip Johnson, Treasurer  
Phil@airsourcelandaska.com

Evan Denty, BOG Member  
emdenty@gmail.com

Sam Ratnasigamani, Student Activities  
samrsa-ak.com

Garrett Prokosch, Membership Promotion  
garrett.prokosch@convergint.com

Tracy McKeon, CTTC Chair  
tracy.mckeon@respec.com

Blake Burley, Fairbanks Section President  
blake@designalaska.com

Jeff Hurd, Grassroots Gov. Advocacy  
Jeff.hurd@awwu.biz

Philip Hayes, Research Promotion/Historian  
Philip.Hayes@contractor.conocophillips.com

Alaska ASHRAE Chapter  
PO Box 244503  
Anchorage, AK 99524

President's Message:

Hello fellow ASHRAE members,

November's meeting will be held on Thursday the 16th at Trane's office from 5:30PM - 7PM. Craig Rohwer is going to be presenting on Heat Pumps and Thermal Energy Storage. Food will be provided. Please make sure to RSVP so we can get enough food for everyone.

We are in the process of finalizing the contract for the Alaska ASHRAE Scholarship. Once finalized and funded, this scholarship will provide \$1,500 to an applicant from the HVAC industry.

I hope everyone was prepared and is enjoying the snow we got this week. We will not have a newsletter or a meeting in December. Enjoy the holidays and we will be back in the new year.

Sincerely,

Nathan Lang  
ASHRAE Alaska President 2023-2024  
Alaska Chapter ASHRAE  
[nathan.lang@victaulic.com](mailto:nathan.lang@victaulic.com)



## Anchorage Meeting:

### Anchorage Meeting:

#### Presentation:

Heat Pumps and Thermal Energy Storage

#### Date:

Thursday, November 16, 2023

#### RSVP:

<https://ashraealaska.com/events/2023/11/7/heat-pumps-and-thermal-energy-storage>

#### Time:

17:30 – 19:00

#### Location:

Trane Office  
12101 Industry Way  
Anchorage, AK 99515

#### Cost:

\$25

## Heat Pumps and Thermal Energy Storage

This month's topic discusses using refrigeration systems for heating and cooling coupled with thermal energy storage. We'll cover the difference of heat pumps vs. heat recovery chillers, how and where to utilize them, a brief overview of thermal energy storage (I hope you didn't miss the topic from last year!), and how the two equipment systems can be combined to optimize a building's heating and cooling systems. We'll finish off with practical applications of Alaska because that's everyone's favorite state!



*PDHs are available for this presentation*



**Presenter:** Craig Rohwer: This month's presenter hails from right here in South Central Alaska: Craig Rohwer. He's an Account Manager with Trane for the past 10 years with a professional passion towards energy efficiency. When not engaged with our professional community, he's out hiking or biking the mountains year round.

# SAVE THE DATE

The 50th Anniversary for the Alaska ASHRAE Chapter is fast approaching please save the date and plan on joining us at the King Street Brewery on March 21, 2024 for a Celebration of 50 years of ASHRAE members in Alaska and their contributions to ASHRAE and its mission of serving humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields in Alaska and across the globe. In addition to fulfilling ASHRAE's vision of creating a healthy and sustainable built environment for all.

We will be honoring all our past presidents, life members, and all those in our community that have served and supported the technical side of ASHRAE by being members of its committees and standards.

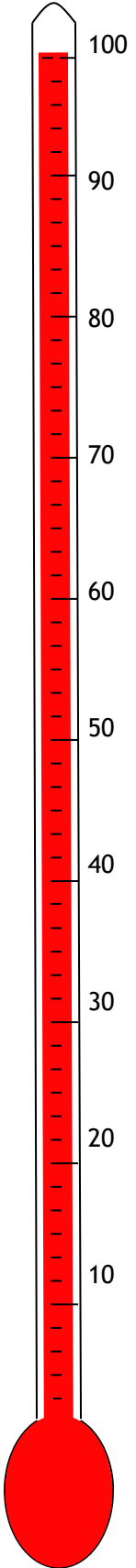
Please reach out to Tracy McKeon at [tracy.mckeon@respec.com](mailto:tracy.mckeon@respec.com)

If you are currently on an ASHRAE Committee or Group including TC, TRG, MTG, SPC, SSPC, GPS, or SGPC. We want to make sure you are included in our 50th.



Research Promotion:

2023-2024 Research Investors, ASHRAE Alaska Chapter	
<p><b><u>Organizations</u></b></p> <p><b><u>Major Donor- ASHRAE Associate (\$5,000 - \$9,999)</u></b> Alaska Mechanical Contractors Association</p> <p><b><u>Major Donor- ASHRAE Associate (\$2,500 - \$4,999)</u></b> Stinebaugh &amp; Company</p> <p><b><u>Major Donor - Silver (\$1,000 - \$2,499)</u></b></p> <p><b><u>Major Donor - Bronze (\$500 - \$999)</u></b> Design Alaska</p> <p><b><u>Chapter Recognized Donor</u></b></p>	<p><b><u>Individuals</u></b></p> <p><b><u>Major Donor (\$250 - \$2,499)</u></b></p> <p><b><u>Honor Roll Donor (\$150 - \$249)</u></b> Doug Lecren Gregory Jernstrom Philip Hayes Jeff Hurd</p> <p><b><u>Donor (\$1-\$149)</u></b></p>



Fellow ASHRAE Members,

Through your generosity our chapter has currently raised \$13,100 for ASHRAE RP so far this year! Keep it up, your generous contributions will pay back in countless ways to our local and broader industry as a whole!

It is through the funds generated for RP that all ASHRAE codes, standards and design guides are researched, written and implemented into the built environment where we live and work. Thank you for your generous support, it is only through your donations and involvement that we can continue to advance the knowledge, quality and standards for our built environment.

“How are my RP donations used?” & “What benefit do RP donations have for Alaska?”

- ASHRAE RP funds are pooled at the society level, then with the entire society’s resource potential the funds are redistributed in order to achieve the highest potential output.
- It is through the funds generated for RP that ASHRAE codes and standards are researched, written and implemented into the built environment that we live in.
- RP funds return to Alaska in various forms such as research grants, scholarships, and technical committee funding.

If you are interested in donating to ASHRAE RP please follow one of these three donation options:

- Visit <http://www.ashrae.org/RP> and scroll down the page to select the “ONLINE CONTRIBUTION FORM” link.
- Mail a check to “ASHRAE Research” with “Alaska Chapter” written in the memo line and mail to: ASHRAE RP; 180 Technology Parkway; Peachtree Corners, GA 30092.
- Designate a RP donation amount when you renew your membership.

If you have already made a donation of \$150 or more, your name should appear at the top of this page. If you do not see your name, please let me know and I will ensure that your donation is recorded properly. Please feel free to contact me with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,  
Philip Hayes  
Alaska Chapter Research Promotion Chair  
[Philip.hayes.2@outlook.com](mailto:Philip.hayes.2@outlook.com)



## Chapter Sponsors:

## 2023-2024 ASHRAE Alaska Chapter Sponsors

Gold Chapter Sponsor: (\$5,000)



Forget-Me-Not Chapter Sponsor: (\$2,500)

Chapter Meeting Sponsor: (\$1,000)



Chapter Web Sponsors: (\$400)



Engineering, Inc.



In the past three years, the Alaska Chapter introduced chapter sponsorship levels to help recognize those who have steadfastly supported the Alaska Chapter over the years. Included with these sponsorship levels are various 'chapter benefits' as a way of thanking and honoring the generosity of our loyal supporters. Portions of the sponsorships are utilized to help fund the Alaska Chapter operations as well as donated to ASHRAE Research Promotion in the sponsor's name. Below is a list of the sponsorship levels along with the 'chapter benefits' for each level of donation.

**Corporate Donations:**

Corporate donations to the Alaska ASHRAE Chapter are recognized in five tiers:

- **Gold Sponsorship: \$5,000 & Above**
  - (1) Foursome team for annual golf tournament • (1) Hole sponsorship for golf tournament • (1) Seat for every chapter meeting -OR- (1) Range Sponsorship during Annual RP Shoot out • Announcement of your sponsorship during all meeting introductions and events. • Logo on website • Business card advertisement in newsletter (September - May) • Job postings on the ASHRAE Alaska website and on the newsletter. RP Donor Level - ASHRAE Associate: (Gold Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)
- **Forget-Me-Not Chapter Sponsorship: \$2,500 - \$4,999**
  - (1) Range Sponsorship during Annual RP Shoot out • (1) Hole Sponsorship during Annual Golf Tournament • Announcement of your sponsorship during all meeting introductions and events. • Logo on website • Business card advertisement in newsletter (September - May) Job postings on the ASHRAE Alaska website and up to (2) on the newsletter • RP Donor Level - Major Donor - Silver: (Silver Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)
- **Chapter Meeting Sponsor: \$1,000**
  - Sponsor's table available with display and literature prior to meeting (A website link and a hole or range sponsorship will be made available as an alternative for a virtual meeting sponsorship) • Logo on welcome message during monthly chapter meetings • Announcement of your sponsorship during one meeting introduction • Logo on website • Business card advertisement in newsletter (September - May) • RP Donor Level - Major Donor - Bronze: (Bronze Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll)
- **Web Sponsorship Package: \$400**
  - Logo on website • Business card advertisement in newsletter (September - May) • RP Donor Level - Honor Roll (Individuals only): (Receive blue desktop coin holder, Listed in the annual Investor Honor Roll)
- **Newsletter Sponsorship: \$150**
  - Business card advertisement in newsletter (September - May)

For more information on corporate donations and the benefits please visit the "shop" section of our website at <https://ashraealaska.com/>.

Do you not want your teenager to be on the phone all day? Register them for the High School Design Competition!

Please see link below for more information and registration:

Registration Deadline is November 30, 2023

<https://www.ashrae.org/communities/student-zone/competitions/2023-2024-ashrae-high-school-design-competition>

## 2023-2024 ASHRAE High School Design Competition



For Questions Please Call or Email and I will try to get you the answer:

Sam Ratnasigamani  
SA, ASHRAE AK.  
[samr@rsa-ak.com](mailto:samr@rsa-ak.com)

Hello,

Greetings and Happy November. Our student night went well!  
We would like to see more students, so here are a few reminders:

1. ASHRAE meetings are free to attend for student members.
2. We reimburse the student membership fee for the first 10 student members.

There is plenty of time to apply for Scholarships, so if you know of someone that needs a scholarship for the upcoming year, remind them to apply – You never know, you may be the lucky recipient of the ASHRAE \$12,500 tuition scholarship.

Below you can view the recipients who are currently receiving the scholarship.  
If you would like to apply, the link is here [Scholarships and Grants \(ashrae.org\)](https://www.ashrae.org/Scholarships-and-Grants)

2023–2024 ASHRAE Society Scholarship Recipients				
NAME	SCHOOL	MAJOR	SCHOLARSHIP	TOTAL AMOUNT OF SCHOLARSHIP
Danielle Tessier	Carleton University	Sustainable and Renewable Energy Engineering	Presidents Scholarship	\$12,500
Brendon Little	Pennsylvania State University	Integrated Master and Bachelor of Architectural Engineering - Mechanical Option	Willis H. Carrier	\$10,000
Saquib Khan	Maharaja Agrasen Institute of Technology, ME	Mechanical Engineering	Willis H. Carrier	\$10,000
Kiran Kapileshwari	Georgia Institute of Technology	BS in Mechanical Engineering	Gordon V. R. Holness Engineering Scholarship	\$10,000
Ivy Arnold	Vermont Technical College	Architectural Engineering Technology	Gordon V. R. Holness Engineering Technology Scholarship	\$10,000
Alvin Hsieh	University of Wisconsin-Madison	Engineering Mechanic	Reuben Trane	\$10,000
Dylan Ricard	University of Manitoba	Mechanical Engineering	Reuben Trane	\$10,000
Heather Ritter	University of Calgary	Dual Degree: Mechanical Engineering and Business	Reuben Trane	\$10,000
Sadia Ashraf	University of Houston	Mechanical Engineering	Lynn G. Bellenger Engineering Scholarship	\$5,000
Paulina Salinas	University of North Carolina at Charlotte	Mechanical Engineering Technology	Lynn G. Bellenger Engineering Technology Scholarship	\$5,000

Also the Alaska Chapter Board of Governors is working on our very own chapter scholarship for Alaskan students pursuing in our field. Stay tuned for more details to follow in the coming months.

Peace,

Sam Ratnasigamani  
Student Activities  
[samr@rsa-ak.com](mailto:samr@rsa-ak.com)

Hot Gas Bypass

**MECHANICAL SALES, INC.**  
ASK ME HOW YOU CAN SAVE YOUR CLIENTS TIME AND MONEY ON YOUR NEXT AIR HANDLER

**E** EFFICIENT  
**V** VERSATILE  
**O** OPTIMAL

**Klimor**

ELENA BALL, CPSC  
OFFICE: 907-562-6940  
MOBILE: 907-202-0395  
EMAIL: EBALL@MECHANICALSALES.COM  
MECHANICALSALES.COM  
1200 EAST 76TH AVE. SUITE 1221



**Nathan Lang**  
Alaska Territory Manager

Email: [nathan.lang@victaulic.com](mailto:nathan.lang@victaulic.com) Cell: 907-205-9445

The Northwest's Exclusive Cleaver-Brooks® Manufacturers Representative

**Specializing in Boiler**

Rentals | Repair | Parts | Sales | Service | Training

New & Used Inventory | Rental Equipment | 24/7 Emergency Services  
Factory-Trained Boiler/Burner Technicians | Extensive Parts Inventory



CLEAVER-BROOKS® CLEARFIRE & OTHER MODELS | CLEAVER-BROOKS® PRO-FIRE  
STACKS | BLOWDOWN EQUIPMENT | WATER HEATERS | CONDENSATE SYSTEMS | ECONOMIZERS

**SERVING THE NORTHWEST SINCE 1964**

WASHINGTON | OREGON | IDAHO | ALASKA

(800) 627-2653 | [COLEINDUST.COM](http://COLEINDUST.COM)



[www.designalaska.com](http://www.designalaska.com)



**MICAELA PETERSEN**  
Sales Representative

Office: (907) 562-2608

Email: [mpetersen@GoPSi.com](mailto:mpetersen@GoPSi.com)

9210 Vanguard Drive  
Suite 2

Anchorage, AK 99507

[www.GoPSi.com](http://www.GoPSi.com)



**Garrett Prokosch**  
Account Executive

907-885-4250

After Hours Emergency 907-868-5100

[garrett.prokosch@convergent.com](mailto:garrett.prokosch@convergent.com)

139 E 51st Ave, Anchorage, AK, 99503

[convergent.com](http://convergent.com)

[www.LONG.com](http://www.LONG.com) | (907) 561.3044

**LONG®**

Long live your building!

**BUILDING AUTOMATION - SECURITY SYSTEMS  
ACCESS CONTROL & CCTV - HVAC SERVICE - PARTS**



**YOUR INTEGRATED SOLUTIONS PARTNER**

COMMUNITY DESIGN SOLUTIONS  
DATA & TECHNOLOGY  
ENERGY | FACILITIES | MINING  
TRANSPORTATION  
WATER & ENVIRONMENT

2700 Gambell St. Ste 500 Anchorage, Alaska 99503

907.743.3200 // [RESPEC.COM](http://RESPEC.COM)



**Mechanical • Electrical • Structural • Geotechnical  
Environmental • Land Surveying • Civil**

Bright People. Powerful Solutions. Building Communities.

Anchorage | Palmer  
(907) 562-3252  
[www.crweng.com](http://www.crweng.com)



**NEIL SANCHEZ**  
Sales Engineer

Office: (907) 562-2608  
Cell: (907) 290-9875

Email: [nsanchez@GoPSi.com](mailto:nsanchez@GoPSi.com)

9210 Vanguard Drive  
Suite 2  
Anchorage, AK 99507

[www.GoPSi.com](http://www.GoPSi.com)

**RSA**  
Engineering

907-276-0521 • 670 W. Fireweed Lane, Suite 200  
Since 1986, RSA proudly provides mechanical and electrical engineering and consulting services throughout Alaska as well as the Continental US and Antarctica.

**MBA Consulting Engineers, Inc.**

Dedicated to providing mechanical and electrical designs for safe, comfortable, and convenient building systems, within budget, and with minimum operating and maintenance costs.



3812 Spenard Road, Suite 200 - Anchorage, AK 99517

Tel: 907.274.2622 - Fax: 907.274.0914

Email: [brads@mba-consulting.net](mailto:brads@mba-consulting.net)

We enjoy and embrace any opportunity to solve an engineering problem!



**Doug Franklin**  
President / CEO

5730 B Street · Anchorage, AK 99518  
phone: 907.345.8021 · cell: 907.306.2939  
www.stinebaugh.com · dfranklin@stinebaugh.com

**Engineered HVAC Solutions**



**Zach Keller**  
Sales Engineer

5730 B Street · Anchorage, AK 99518  
phone: 907.345.8021 · direct: 907-264-6004  
www.stinebaugh.com · zkeller@stinebaugh.com

**Engineered HVAC Solutions**



**George Hearin**  
Sales Engineer

5730 B Street · Anchorage, AK 99518  
phone: 907.345.8021 · fax: 907.345.8022  
www.stinebaugh.com · ghearin@stinebaugh.com

**Engineered HVAC Solutions**



**AMC Engineers**  
High Performance Building Solutions  
Mechanical, Electrical and Plumbing (MEP) Systems



Anchorage, Alaska | Bellingham, Washington | 907.257.9100 | www.amc-engineers.com



# Arctic Infrastructure: The Engineer's Role

## Moolin Project Management Seminar (6th In The Series)

### Professional Development Opportunity

Fairbanks - Association of General Contractors (AGC) Office  
3750 Bonita St, Fairbanks, AK 99701

Tuesday, Nov. 14, 2023 7:30 am - 4:30 pm

Anchorage - BP Energy Center

1014 Energy Ct, Anchorage, AK 99508

Thursday, Nov. 16, 2023 7:30 am - 4:30 pm

#### ***Topics to Include:***

Short term/long term infrastructure planning  
Metric based decision making  
Transportation systems  
Challenges to modernizing infrastructure  
Telecommunication enhancements  
Rural utilities  
Energy  
Workforce development/availability

#### ***Features:***

8 PDHs  
Light breakfast  
Lunch included  
Engaging topics  
Professional networking

***Contact Dantasia Baum at 907.452.1241 to reserve your spot – space is limited***

***Cost: SAME/ASPE Members - \$150 (\$125 for early sign-up by Oct 31)***

***Regular - \$200 (\$175 for early sign up by Oct 31)***

Sponsored by: University of Alaska Fairbanks College of Engineering and Mines, Society of Military Engineers - Anchorage Post, Alaska Society of Professional Engineers - Anchorage/Fairbanks Chapters

