



February 2020

Alaska Chapter Newsletter Hot Gas Bypass

ASHRAE Monthly Meeting Information

ANCHORAGE Meeting:

Presentation:

Arctic Oil Field HVAC Design

By:

Mak Kampen, P.E.
Eric Ostberg, P.E.

Date:

Thursday, Feb 20, 2020

Time:

5:30 pm: Check-in
6:00 pm: Dinner
6:30 pm: Presentation

Cost:

Members: \$20
Students: Free

Location:

ConocoPhillips Alaska
700 G Street, ATO 1
Anchorage, AK-99501

RSVP:

Please visit the website:

<https://ashraealaska.com/shop>

Alaska Chapter Officers and Chairs

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tmckeon@crweng.com

Cheyenne Alabanzas, President-Elect

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Philip Hayes, Treasurer

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Blake Burley, Fairbanks Section President

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mguieb@stinebaugh.com

Alaska ASHRAE Chapter

PO Box 244503

Anchorage, AK 99524

President's Message:

Hello Alaska ASHRAE Members!

Happy Valentine's Day! We had a very successful January meeting. Thank you to Dick Armstrong, Bill McNeal, Boyd Morgenthaler, and Steve Theno, for answering questions on engineering, their careers, and our industry in Alaska! This meeting was our membership promotion night, and we were happy to see many new faces and guests. I would like to welcome all our new members who joined after the meeting!

Our upcoming meeting on February 20, 2020 is **Cold Climate Building Design for Oil and Gas Applications** presented by Erik Ostberg of BP, and Mak Kampen of ConocoPhillips. This should be an excellent presentation you won't want to miss. Please, remember to RSVP early. Since this will be at ConocoPhillips we need to have all **RSVPs turned in to Conoco by February 14th!!!**

A few great events are Upcoming and we hope to see our ASHRAE members will be able to participate

- YEA is meeting up for Trivia Night at Williwaw this Month on February 25th at 7pm. Our slightly older, Young at Heart, members are encouraged to join them and give them a little bit of friendly competition.
- E-Week is kicking off soon. Join Fellow colleagues and members and Support E-week through participation in the Mathcounts Bowling Event on February 15 at Center Bowl; E-Week Student Competitions (Discover Engineer) at the Loussac Library during the day February 22; and the E-Week Banquet on the night of February 22.
- The Annual RP Shootout is coming up in April, so please be in the lookout for signups!

I would also like to thank all those who signed up to speak in our local schools about engineering, math, science, and technology. If you are speaking at one of the E-Week events, please forward your name to either myself, Mak Kampen, or any other BOG member so that we may enter points for our Chapter.

The only way we continue this success is through generous sponsors and volunteers so please get involved! If you have any questions or concerns, please feel free to email or call me!

Sincerely,

Tracy McKeon, P.E.
President, Alaska Chapter ASHRAE
tmckeon@crweng.com





Alaska Chapter

Anchorage February Meeting:

Alaska Chapter Newsletter
Hot Gas Bypass

Presentation:

Arctic Oil Field HVAC Design

By:
Mak Kampen, P.E
Erik Ostberg, P.E

Date:
Thursday,
February 20, 2020

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ConocoPhillips Alaska
700 G Street, ATO 1
Anchorage, AK 99501

Cost:
Members: \$20

RSVP:
Please visit the website:

<https://ashraealaska.com/shop>

By end of day, Friday,
Feb 14, 2020

Cold Climate Building Design for Oil and Gas Applications



Cold climate considerations play a major role in the design of oil and gas HVAC systems along with the selection, operation and maintenance of HVAC equipment. In addition to the cold climate considerations, the unique nature of requirements and design practices specific to oil and gas facilities influence HVAC systems and equipment selections.

Erik Ostberg is currently the BP Group HVAC Technical Authority and Advisor. Erik has over 25 years of HVAC experience, both as a consulting HVAC engineering in the private industry and as an HVAC engineer for BP. Erik has experience with cold climate HVAC ranging from Alaska, Antarctica and the North Sea. As the HVAC Technical Authority for BP, Erik has experience in Oil & Gas HVAC design in global locations such as offshore Gulf of Mexico, Africa, North Sea and Caspian Sea along with onshore Middle East, Indonesia, Alaska and the Lower 48. Erik has written the BP Global HVAC Design Guide and equipment specifications as well as being a member of the IOGP group responsible for creating Oil & Gas industry standard HVAC specifications.

Mak Kampen is currently a Project Lead at ConocoPhillips and the HVAC Technical Authority for the Alaska Business Unit. He has been an Alaska resident his whole life and graduated with a bachelor's degree in Mechanical Engineering from the University of Alaska Fairbanks. He was previously the Infrastructure Facility Engineer for all of ConocoPhillips North Slope Assets and, prior to this, he was a design-build mechanical contractor completing challenging commercial projects throughout the State of Alaska. He is a past president of the ASHRAE Alaska Chapter and currently holds the Student Activities Chair position.

We are pleased to invite Mak and Erik to speak with us on the topic of Cold Climate Building Design for Oil and Gas Application.



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Thanks to all those that participated in our January Meeting - Membership Promotion Night and congratulations to the winners of the gift cards!

We have some new interest and potential members as a result.

Also, welcome new ASHRAE members since the last newsletter! Please be sure to extend a warm welcome to the individual below:

Seth Nicholas - General Mechanical, Inc.

This brings us to **193 members** strong in the Alaska chapter. Remember it takes everyone to help grow our local chapter, so look around and invite a coworker or friend to attend this month's meeting.

Why You Should Be an ASHRAE Member

It's really quite simple. You can benefit from all of the resources ASHRAE provides as the world's leading organization of HVAC&R and built environment professionals. Consulting engineers, property owners and managers, designers, installers and maintenance and repair professionals all benefit from ASHRAE, including these member benefit highlights:

- *ASHRAE Handbook — the indispensable, industry-wide resource for all HVAC&R professionals. Each volume is updated every four years. And members can subscribe to ASHRAE Handbook Online for immediate online access to the complete Handbook series.*
- *ASHRAE Journal — this monthly resource is the most trusted publication in HVAC&R engineering.*
- *High Performing Buildings — the quarterly magazine for innovation and measured performance in efficient and sustainable buildings.*
- *ASHRAE Technology Portal*
- *HVAC&R Industry — a weekly news resource keeping ASHRAE members abreast of the latest industry news and information.*
- *Access to more than 300 technical publications.*
- *Access to education, courses and webcasts.*
- *Professional certification*

Please feel free to contact me about your membership renewal or associated benefits.

Sincerely,
Gregory Jernstrom
ASHRAE Alaska Chapter Membership Promotion Chair
907.522.1070



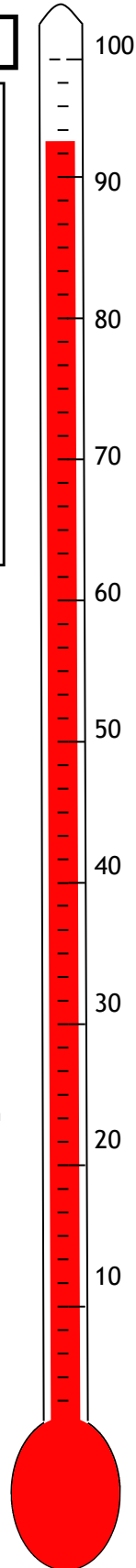
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Research Promotion:

2019-2020 Research Investors, ASHRAE Alaska Chapter

Organizations	\$100 - \$499	Individuals
<p>\$3,000 & Over Stinebaugh & Company Anonymous Donors</p> <p>\$1,000 - \$2,999 Alaska Mechanical Contractors Association (AMCA)</p> <p>\$500 - \$999 Brian & Brad Design Alaska Frontier Supply Proctor Sales Inc. Puget Sound ASHRAE Chapter</p>	<p>\$100 - \$499 AMC Engineers ATS Alaska Brenntag Pacific Inc. Cole Industrial Inc. Columbia Hydronics CRW Engineering DXPE/Alaska Pump & Supply Inc. JP Sheldon Company Jernstorm Engineering LONG Building Technologies MBA Consulting Engineers Inc. Mechanical Construction & Consulting Inc. Mechanical Sales Inc. Meridian Systems Norcoast Mechanical Inc. Roth-Sirianni, LLC. Scope Permitting and Engineering Superior Mechanical Service Victaulic Inc.</p>	<p>\$100 & Over Cheyenne Alabanzas Leroy Baldwin Mack Bergstedt Phil Hayes Jeff Hurd Ed Kaiser Kyle Kaiser Doug LeCren Tracy McKeon Doug Murray Sam Ratnasigamani Ron Thompson Nathan Zeigler</p>



Fellow ASHRAE Members,

Through your generosity our chapter has currently raised \$17,488.28 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.

I have often heard the question, "How are my RP donations used?" and "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 all 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 university research grants, scholarships, and technical committee funding.

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

If you have already made a donation, your name should appear at the top of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or 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,
Nathan Zeigler
Alaska Chapter Research Promotion Chair
Nathan.Zeigler@contractor.conocophillips.com





Alaska Chapter

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ASHRAE YEA/YAH Trivia Night

for the Young and Young at Heart



Tuesday, February 25, 2020
7:00p.m.

609 F Street, Anchorage, Alaska 99501

FREE

Brush up on your knowledge of random facts and join us for Trivia Night at Williwaw to get to know your fellow ASHRAE members!

Please RSVP, so you can be placed on a team comprised of both YEA and YAH members.

Due to the location, this is a 21+ event.



Alaska Chapter

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SPONSOR an ASHRAE YEA Event

My goal as the YEA Chair is to offer free or reduced-price events for YEA members each month, so we can get to know one another and build a **stronger ASHRAE and HVAC community for the future.**

Have your name or logo represented on event literature!

Email **Elena Hartford** at ehartford@mechanicalsales.com for more information about upcoming events and to find out how you or your company can make a difference.



Alaska Chapter

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DISCOVER ENGINEERING SOLVE ENGINEERING CHALLENGES!

WHEN

Saturday February 22nd, 2020
10am - 2:30pm, Awards at 3 PM

- Only need 1-2 hours to complete all events
- Show up anytime!!!!

WHERE

Z.J. Loussac Public Library

3600 Denali Street, Anchorage, AK 99503

FEATURING • Tower Shaking and Breaking • Light Tossing • Lego Construction • Paper Airplanes • Making Boats • Spaghetti Towers • Tower of Power • Robotics/LEGO Presentations • And More

HAVE QUESTIONS OR WANT TO BE ADDED TO OUR MAILING LIST?

CONTACT ANGEWEEKSTUDENTCOMPS@GMAIL.COM

WWW.DISCOVER.ORG

The Anchorage School District does not endorse these materials or the viewpoints expressed in them.



**STUDENT EVENT
GRADES 1-12**

FREE EVENT

SPONSORS

Society of Women Engineers (SWE)

Society of American Military Engineers (SAME)

Illuminating Engineering Society (IES)

ASHRAE

American Society of Civil Engineers (ASCE)

Institute of Transportation Engineers (ITE)

University of Alaska Anchorage (UAA)

AND MORE...

COMPETITION NOTE:

Tower of Power Competition requires pre-building of the towers prior to the event per the attached competition rules. This is the only competition that requires pre-building.



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Alaska Chapter

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SATURDAY
FEBRUARY 15,
2020
Center Bowl

1:30PM CHECK-IN
2:00PM START

PIZZA AND
NON-ALCOHOLIC
BEVERAGES WILL
BE
PROVIDED

TO PARTICIPATE,
RSVP TO
JAI.CHANG
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PLEASE MAIL REGISTRATION FEES AND DONATIONS TO:

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Kinney Engineering
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Anchorage, AK 99503

MAKE CHECKS PAYABLE TO: AEEF/MATHCOUNTS

Alaska Society of Professional Engineers (ASPE) and MATHCOUNTS® are pleased to invite you to our fifth annual fundraiser bowling tournament. Tournament proceeds will support MATHCOUNTS through Alaska Engineering and Education Foundation (AEEF), which is a 501(c)(3) charitable organization. We hope you will join us or support our Mathletes® with a donation.

SPONSORSHIPS

TEAM: \$200. 1 Team of 4 Players (includes games & shoes)

LANE: \$100. 1 Lane Sponsorship = Company Logo on 1 Lane

DISCOVER



ENGINEERS WEEK

FEBRUARY 16-22, 2020



AEEF

ALASKA ENGINEERING EDUCATION FOUNDATION
"Supporting tomorrow's engineers today."

DONATIONS ARE ALSO WELCOME! SEND A CHECK OR PICK! CLICK! GIVE!

Sponsorship Opportunities

There are now various ways to be a sponsor for ASHRAE! Contact samr@rsa-ak.com for more details!

Gold Sponsorship: \$5,000

- (1) Foursome team for annual golf tournament
- (1) Hole sponsorship for golf tournament
- (1) Seat for every chapter meeting
- Announcement of your sponsorship during all meeting introductions and events.
- Logo on website
- Business card advertisement in newsletter (September - May)

RP Donor Level - ASHRAE Associate (\$2500):

- Gold Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll

Forget-Me-Not Chapter Sponsorship: \$2,500

- (1) Range Sponsorship during Annual RP Shoot out
- (1) Hole Sponsorship for the golf tournament
- Announcement of your sponsorship during all meeting introductions and events.
- Logo on website
- Business card advertisement in newsletter (September - May)
- RP Donor Level - Major Donor - Silver (\$1000):

- Silver Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll

Chapter Meeting Sponsor: \$1000 (Limited to 8 Sponsors, 1 per meeting)

- Sponsor's table available with display and literature prior to meeting
- Logo on welcome message during monthly chapter meetings
- Announcement of your sponsorship during the meeting introduction
- Logo on website
- Business card advertisement in newsletter (September - May)
- RP Donor Level - Major Donor - Bronze (\$500):

- Bronze Commemorative Coin & Plaque, Listed in the annual Investor Honor Roll

Web Sponsorship Package: \$350

- Logo on website
- Business card advertisement in newsletter (September - May)
- RP Donor Level - Honor Roll (Individuals only) (\$100):

- Receive blue desktop coin holder, Listed in the annual Investor Honor Roll

Newsletter Sponsorship: \$150

- Business card advertisement in newsletter (September - May)

Upcoming Seminars and Classes

Looking for volunteers for speaking to students and public on Fridays for College of Engineering Professional Seminar Series for Spring 2020. If you are interested,

Please contact: [Getu Hailu at ghailu@alaska.edu](mailto:ghailu@alaska.edu). Thank you for supporting UAA!

Free Parking on Fridays!



UPCOMING ASHRAE EVENTS AND MEETINGS

(This is a tentative schedule dates and programing is subject to change)
 Like us on Facebook at <https://www.facebook.com/AlaskaASHRAE> and : www.Ashraealaska.com

Date/Event	Description
Thursday, Sept. 12, 2019 Chapter Meeting	Distinguished Lecturer Devin Abellon / Embedded Tube Radiant Systems to Maximize LEED Points
Thursday, Oct 17, 2019 Tour	Ice Plant Tour. Lunch Meeting
Friday, Nov. 22, 2019 Chapter Meeting	@ BP CENTER 5:30 PM-7:30 PM
Friday Nov. 22, 2019 TRADE SHOW/ TRAINING:	@ BP ENERGY CENTER 9:00 AM—5:00 PM
Thursday, Jan. 23, 2020 Chapter Meeting	Icons of Alaska HVAC/ Membership promotion
Thursday, Feb. 20, 2020 Chapter Meeting	Conoco Phillips Industrial Oil & Gas: Non-Comfort Cooling Applications
Thursday, Mar. 19, 2020 Chapter Meeting	Indoor Agriculture
Thursday, Apr. 16, 2020 Chapter Meeting	Sustainability: Wind, solar, storage, heat re- covery
Friday, Apr. 24 RP / Social Event	RP Shootout At Birchwood Range
April 30-May 3, 2020	CRC Conference @ Edmonton AB, CA
Thursday, May 21, 2020 Chapter Meeting	Anchorage Museum Tour & CRC Wrap up



Tom Fisher
President

Email: tomfisher@aaronak.com

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website: www.aaronak.com

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Jim McDonough
 Account Executive
 Building Automation



Derek Bradish
 Alaska Territory Manager

Email: derek.bradish@victaulic.com Cell: 907/347-8276