



San Jose Chapter

San Jose ASHRAE Members and Friends,

Welcome to a new year! I have high hopes that 2021 will allow for more in-person meetings and an eventual return to normalcy. I hope you all are able to enjoy the holiday season and take a short break from all things HVAC.

Our January meeting is one I am very much looking forward to. Pam Duffy will be revisiting our chapter to talk about being productive from anywhere and provide practical tips to get stuff done. This will be very helpful for those of us who will be working at least partly from home for the foreseeable future! In February we'll be learning about the basics of CO₂ as a refrigerant from Jeff Buxton and hearing about some actual projects including cold storage, food processing, and glycol chillers. It will be a *cool* topic – pun intended! We're hoping to have a virtual visit from Society President Chuck Guldedge III in March – more information to come! You can keep up to date on all upcoming meetings on our chapter website.

Our YEA committee is hosting a virtual Salsa and Margarita making event with Tacolicious on January 28th. The event will only cost \$15 per person thanks to a generous donation from Trane. They will be teaching us how to make a few of their salsas and margaritas. As always, anyone is welcome to attend and it will be a fun way to spend a Thursday evening!

The 2021 Winter Conference will be held virtually from February 9-11th and include over 90 technical sessions which registrants can access for 18 months. There will even be a virtual escape room hosted by the Chicago Host Committee! Registration is \$249 and company packages are available. It is a great deal and a great way to test the waters on a conference without having to pay for the travel expenses. You can find more information on the society website!

If you have ideas or requests for future meetings, both technical or social, please let us know what you'd like to see! This will be an unprecedented year and we are always looking for feedback as to how we can best serve our members. We are also always looking for sponsors and would love to work with you to create an event you'd like to be a part of.

Stay healthy and safe,

Elise Kiland
2020-21 San Jose Chapter President



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Thank You



FEBRUARY TECHNICAL WEBINAR

TRANSCRITICAL CO₂: THE BASICS AND A FEW PROJECTS

SPEAKER: JEFF BUXTON

We welcome you to join us for the San Jose ASHRAE Chapter's February technical webinar. Check in with our chapter and learn about alternative refrigerants.

Date: February 10, 2021

Location: Online Only

Log in information will be provided prior to the meeting

Time:

Chapter Announcements

12:00 PM

Presentation

12:15 PM

Cost:

Registration

\$ 10

RSVP: <https://sjashrae.org>

Speaker:

JEFF BUXTON, PE

ENERGY CONSERVATION ENGINEER

Jeff Buxton is one of the progressive engineers developing customized solutions that are paving the way for PermaCold's commitment to green industrial refrigeration. His work is directly establishing the company as the industry leader in highly efficient, energy-saving systems and the use of natural refrigerants.



Jeff brings particular expertise in designing systems for a wide array of refrigerant types, including Synthetic Refrigerants, Ammonia, and CO₂. This value-added engineering experience helps him design custom-built systems unique for each facility's needs or conditions.

Jeff's work includes the design and selection of major equipment for industrial refrigeration systems in a range of applications, and he has successfully completed projects for facilities ranging from food production plants to freeze dry, cold storage, and beverage manufacturers.

Jeff holds Professional Engineering License in Oregon and Tennessee, with a BS in Engineering with a concentration in Mechanical Engineering from George Fox University. He is also a member of the International Institute of Ammonia Refrigeration, and the Refrigerating Engineers & Technicians Association.

Presentation Summary

- Will Discuss some of the basics of Transcritical CO₂ with comparisons to the more familiar refrigerants.
- Will Review some examples of some project applications including some actual completed projects
 - Cold Storage
 - Food Processing
 - Glycol Chillers

ASHRAE YEA & Trane Presents



VIRTUAL SALSA & MARGARITA MAKING EVENT!

**WHEN: THURSDAY, JAN. 28 AT 5:30PM
WITH TACOLICIOUS ON ZOOM!
\$15 PER PERSON**



Tacolicious is a local restaurant located in Palo Alto & San Francisco. They will lead us through how to make a few different salsas and margaritas that they serve at their restaurant. You will be provided with a grocery list a few weeks before the event so you can have all the ingredients on hand.

THANK YOU TRANE FOR SPONSORING!



Vanessa Lasseson

Membership Promotion Co Chairs



Benito Ferreyra

San Jose would like to welcome the following members:

Associate:



"We look forward to seeing you at the next meeting!"

Please consider membership advancement! Why should a member advance from Associate to Full Member status?

- Local Chapter Recognition
- Service Society, Chapter, or Regional Committees
- Qualify for ASHRAE Fellow & other Society awards

To become a Full Member, complete the three steps below.

Have all (3) qualifications below?
Apply for advancement!

Engineering Degree (4+ years)
PE License
Work Experience (3+ years)

1 - Check if you qualify.

See the next page on
Attaining Full
Membership

2 - Update your online ASHRAE Profile.

Go to www.ASHRAE.org.
Select "My ASHRAE"
Select "Review/Update
Profile"

3 - Notify / email ASHRAE.

Email membership@ashrae.org
Let them know you have an
updated bio and wish to be
considered for a grade
advancement.

ATTAINING FULL MEMBERSHIP

Twelve years may not be as long as you think!

How many years have you been working in this industry? _____(A)

How many years did you attend a technical school, college, or university? _____(B)

Is (B) at least 2 years? Then enter that number here: _____(C)

Did you graduate from an accredited college or university? If yes, multiply (C) by 0.5 and enter here: _____(D)

Have you attained professional registration?
If yes, enter 3 here: _____(E)

Now....add (A) + (C) + (D) + (E) = _____(F)

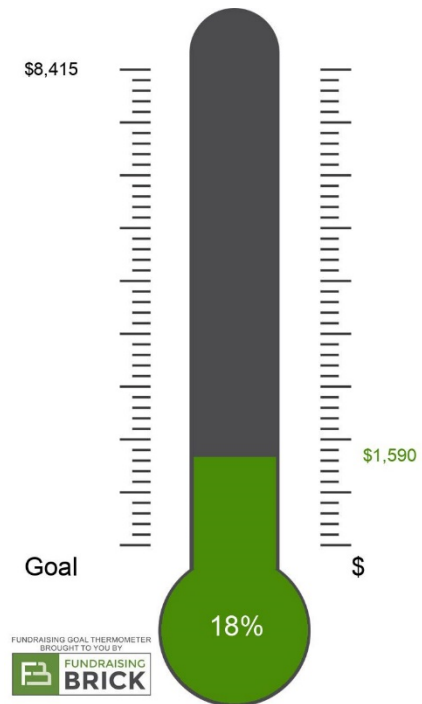
Is (F) at least 12? Then you qualify for full membership!

Update your member bio online today www.ashrae.org



Rob Potter

Research
Promotion
Chair



What is Research Promotion?

The RP Campaign is an annual fundraising campaign benefiting the funding of numerous ASHRAE Programs. These programs include:

ASHRAE Research ASHRAE Scholarships for undergraduate students ASHRAE Learning Institute (ALI) development of new courses & materials Graduate Research Projects (Grants-in-Aid) Young Engineers in ASHRAE (YEA) Leadership Training Permanently endowed support to all of the above programs

The RP Campaign is overseen by the RP Committee, a standing ASHRAE Committee. The Committee is made up of 14 Regional Vice Chairs (RVC), 1 Consultant (past RVC) , 3 Vice Chairs (past Consultant), and Chair (past Vice Chair). Staff support includes a 3-member team based at ASHRAE Headquarters.

The RP Campaign raises over \$2.2 million a year from over 6,000 donors. These donors are made up of ASHRAE Members, industry associations, and industry organizations.



Rushang Shah

Chapter Technology
Transfer Committee
(CTTC) Chair

What is CTTC?

The Chapter Technology Transfer Committee (CTTC) provides efficient and effective transfer of current and relevant information throughout the HVAC&R industry to and from the Chapters. CTTC develops and maintains high quality and readily available tools to enable Chapters to offer information and attractive industry-related information and programs to all segments within the HVAC&R industry

Upcoming Events



Advance your career and open new doors by earning an ASHRAE Certification

<https://www.ashrae.org/professional-development/ashrae-certification>



Vanessa Lassenon

GAC Chair

What is GAC?

The Government Affairs Committee (GAC) is responsible for organizing ASHRAE members to educate local, state, provincial, and national government bodies and officials in areas of interest to ASHRAE members, and to promote effective cooperation between ASHRAE members and government.

ASHRAE Government Affairs

Stay informed on the latest news. Subscribe to ASHRAE's Government Affairs Update!

This bi-weekly publication features information on government affairs-related activities of interest to ASHRAE members and others interested in the built environment.

Subscribe through the link below:

<https://www.ashrae.org/government-affairs/government-affairs-updates>

Announcements



ASHRAE Announcements:

- California Assembly Bill Including ASHRAE Guidance to be Signed Into Law
- California Department of Public Health Website Includes ASHRAE Guidance



GAC Announcements:

- House Passes Broad Energy Package
- Push for Legislation to Decarbonize the Power Sector

GAC ANNOUNCEMENTS



California Assembly Bill Including ASHRAE Guidance to be Signed Into Law

ASHRAE Government Affairs Update

California Assembly Bill 841, which has passed both the House and Senate, has been presented to the Governor for signature. The bill, known as the School and State Building Energy Efficiency Stimulus Program, includes requirements for previously unoccupied school buildings to make them safer for reopening. The legislation includes ASHRAE's Building Readiness Guidance and Guidance for Reopening Schools and Universities. In July, ASHRAE President Chuck Gulledge had written to bill sponsor Assembly Member Ting in [support of the inclusion](#) of ASHRAE's guidance in the legislation. The full text of the enrolled bill can be found [here](#).

California Department of Public Health Website Includes ASHRAE Guidance

ASHRAE Government Affairs Update

The California Department of Public Health, Indoor Air Quality Program has added new information on Airborne Disease to its website, including a paper titled "The Role of Building Ventilation and Filtration in Reducing Risk of Airborne Viral Transmission in Schools, Illustrated with SARS-CoV-2." The paper has 18 total references to ASHRAE, including the Guidance for Reopening Schools and Universities and ASHRAE Standard 52.2. The full paper can be found [here](#).

House Passes Broad Energy Package

ASHRAE Government Affairs Update

On September 24, the House of Representatives passed a \$135 billion legislative package that covers a wide range of energy policy from energy efficiency, renewable energy, electric grid and cybersecurity, transportation, and environmental justice. The bill also includes a section that would require a phase-down of hydrofluorocarbon. The bill passed by a 220 to 185 vote, with seven Republicans voting for it and 18 Democrats voting against the measure. The White House announced that it would veto the measure if it reached President Trump's desk. A section-by-section of the bill can be found [here](#).

Push for Legislation to Decarbonize the Power Sector

ASHRAE Government Affairs Update

Congressmen David McKinley (R-WV) and Kurt Schrader (D-OR) have drafted bipartisan legislation to decarbonize the power sector. A discussion draft has been circulated that aims to create a clean energy standard for the electric power sector that would reduce carbon emissions by 80% by 2050, support carbon capture and storage, and provide tax credits for advancing renewables. A "Section-by-Section" of the discussion draft legislation can be found [here](#). The two Congressmen are members of the House Energy and Commerce Committee.



Sargon Ishaya

Student
Activities Co
Chairs



Chalini Ekanayake

Announcements



Interested in Outreach? ASHRAE can provide tools to help!

- ASHRAE and HVAC & R related presentations. Ideal for colleges, universities, & high schools
- Hands-on STEM activities. Ideal for K-8 classes.





Cherie Nixon

YEA Chair

What is YEA?

The Young Engineers in ASHRAE (YEA)

committee is responsible for welcoming young engineers into ASHRAE and create a community for these members to thrive in. Our goal is to attract young members into ASHRAE and develop young leaders.



Join the ASHRAE YEA group on [Facebook](#)



Join the ASHRAE YEA group on [LinkedIn](#)

Virtual YEA Events Coming Soon!

If there is anything you want to see, let us know!



ANNOUNCEMENTS

Are you interested in any old code books? Contact Saul Villanueva at saul@macsj.com

Complete sets of CBC, CFC, CEnergyC, CGreenC, CMC and CPC:

- 2001
- 2007
- 2010
- 2013
- Plus copies from the 70's, 80's, and 90's





Looking for an Internship or Full-Time Position?

- Post your resumes on <https://jobs.ashrae.org/>
- Look for the latest job listings!
- Available for Students and Professionals!

Looking to hire?

- Post your job openings on <https://jobs.ashrae.org/>
- Find qualified individuals looking to hire!

