



San Jose Chapter



Hello San Jose ASHRAE Members –

Welcome to May, the last month of spring! Celebrate the month with your colleagues at a few of our upcoming events.

The previous April Technical Meeting was eye-opening. Thank you Devin Abellon for presenting on *Diversity, Equity, Inclusion and ASHRAE: Does it Really Matter?*. It was a good reminder to stay aware of our own biases, both in ASHRAE and in the workplace, and to work towards a more equitable future.

For our membership, we have one final technical meeting planned for May.

- May 10 – *The 'Green Awakening': The Coming Carbon Economy & Determining Your Building's CO2 Footprint*
Presented by Tom Lawrence, Ph.D., P.E.

The presentation will cover how society is addressing global climate change through regulating greenhouse gas emissions, specifically in the building industry, as well as methods for determining a building's CO2 footprint.

For events, we will have a Past President's Night in June. The final date and location will be announced soon!

As always, if you're interested in volunteering, please reach out to us. Our contact information can be found on the website. We are always looking for more members to volunteer at our chapter.

Wishing You the Best,

Vanessa O'Connor
2022 – 2023 San Jose Chapter President

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Thank You!





MAY TECHNICAL MEETING

The 'Green Awakening': The Coming
Carbon Economy & Determining
Your Building's CO2 Footprint

Presented By
Tom Lawrence,
Ph.D., P.E.



RSVP ONLINE

[HTTPS://SANJOSEASHRAE.
WILDAPRICOT.ORG/EVENTS](https://sanjoseashrae.wildapricot.org/events)

Date:

Wednesday - May 10, 2023

Location:

Delta Hotels Santa Clara Silicon Valley
2151 Laurelwood Rd, Santa Clara, CA 95054

Time:

Check-In and Social

5:30 PM

Dinner

6:30 PM - 8:15 PM

YEA Mixer

8:30 PM - Last Call

Registration:

Early Bird Registration

\$50 - Register by May 3 (Wednesday)

Registration

\$60

MEMBERSHIP PROMOTION



Benito Ferreyra
(Committee Chair)

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

San Jose would like to welcome the following members:

- ❖ Mr. Ulises Teutle
- ❖ Mr. Daniel Traver

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.

MEMBERSHIP PROMOTION

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!

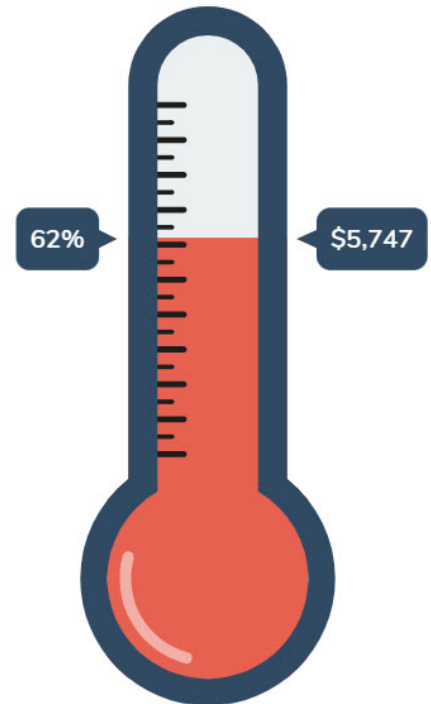
Update your member bio online today www.ashrae.org

RESEARCH PROMOTION



Hush Tahir
(Committee Chair)

GOAL: \$9,300



Welcome Hush, our new RP Chair! If you are interested in volunteering with RP, please reach out to Hush at Hush.Tahir@us.belimo.com

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.

CTTC



Derek Leverenz
(Committee 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

Welcome Derek, our new CTTC Chair! If you are interested in volunteering with CTTC, please reach out to Derek at d.leverenz@syserco.com

Upcoming Events



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

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

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.

If you're interested in volunteering for the Government Affairs Committee, reach out to our GAC Chair and Co-Chair!

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 below:

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



Catherine Wood
GAC Chair
2022 - 23

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westernallied.
com



Vanessa O'Connor
GAC Co-Chair
2022 - 23

vlasseson@
westernallied.
com



ASHRAE Announcements

[ASHRAE Submits Response to DOE Rulemaking on Clean Energy in Federal Buildings](#)

The U.S. Department of Energy (DOE) released a Supplemental Notice of Proposed Rulemaking (SNOPR) for Clean Energy for New Federal Buildings and Major Renovations of Federal Buildings. The proposed rule seeks to identify and outline the practices that federal buildings must abide by for new construction and major renovations to meet new energy efficiency and emission goals. One change to the existing rule was the introduction of Carbon Dioxide Equivalent (CO₂e) as a metric for measuring on-site fossil fuel usage. ASHRAE also highlighted the improvements of Standard 90.1-2022, specifically as they relate to Appendix G – an important piece of the existing whole building simulation requirements for new or significantly renovated federal buildings. However, the proposed rule would no longer require whole building simulation and instead rely on FEMP designated or ENERGY STAR equipment. The full set of comments from ASHRAE is available [here](#).

[ASHRAE Joins EESG Letter for Appropriations Requests](#)

ASHRAE joined the Energy Efficiency Strategy Group (EESG) in sending a letter to the U.S. Senate and House of Representatives Subcommittees on Energy and Water Appropriations. The letter supports robust funding for energy efficiency programs at the U.S. Department of Energy (DOE), such as the Building Technologies Office (BTO), Federal and State Energy Management Programs, and Weatherization Assistance Program. The letter mostly recommends the same levels of funding requested in the President's Budget for Fiscal Year 2024, which would fund the department at \$52 billion. A copy of the letter can be found [here](#).

[ASHRAE Signs Letter on Pairing Energy Efficiency with Solar](#)

ASHRAE joined a letter led by the Alliance to Save Energy sent to the U.S. Environmental Protection Agency (EPA) Administrator Michael Regan and Acting Director of the Greenhouse Gas Reduction Fund, Jahn Wise. The letter suggests the agency consider prioritizing energy efficiency prior to deploying solar when using the first tranche of funding from the \$7 billion for the Greenhouse Gas Reduction Fund created by the Inflation Reduction Act. The letter describes the added benefits of acting first on energy efficiency improvements before solar deployment, such as reduced carbon emissions, decreased energy capacity buildout, greater affordability and reliability, and ultimately positive health impacts. A copy of the letter can be found [here](#).

Local Announcements

[Pro-Codes Act Introduced](#)

U.S. Senators Chris Coons (D-DE) and John Cornyn (R-TX) introduced the "Protecting and Enhancing Public Access to Codes Act," also known as the Pro Codes Act (S.385) in the U.S. Senate on March 16th. They were joined by co-sponsors Senators Thom Tillis (R-NC) and Sheldon Whitehouse (D-RI). This legislation aims to protect the copyrights of standards development organizations whose codes and standards are incorporated by reference into U.S. laws. This legislation would ensure that no matter how codes and standards are adopted, that standards development organizations such as ASHRAE retain their copyrights, thereby ensuring that codes and standards are fully accurate and freely available. "The rigorous, consensus-based standards developed by ASHRAE and other SDOs are essential to public health, sustainability, safety and security," said 2022-23 ASHRAE President Farooq Mehboob. "ASHRAE proudly supports this legislation and will continue our work to provide vital standards for adoption or incorporation by reference – another step towards realizing our vision of a healthy and sustainable built environment for all."

For the ASHRAE press release, please visit the website [here](#). Advocates for swift passage of this bill are encouraged to reach out to GovAffairs@ashrae.org.

[San Francisco Bay Area Air Quality Management District Bans Certain Gas Appliances](#)

On March 15, the Bay Area Air Quality Management District, which covers the San Francisco Bay area, approved a ban on new home furnaces and water heaters that burn natural gas, but not gas stoves. The state of California's local Air Districts are responsible for regional air quality planning, monitoring, and facility permitting. This Bay Area ban would take effect in stages starting in 2027 through 2031, depending on the size and type of equipment. However, homeowners will still be able to repair their gas-burning appliances after 2031. The regulations focus on the pollution created by furnaces and water heaters, specifically nitrogen oxides (NO_x), which is a component of smog and can worsen asthma and cardiovascular problems. The district estimates that gas-burning furnaces and water heaters generate more NO_x each year than all the cars in the region.

STUDENT ACTIVITIES



Chalini Ekanayake
(Committee Chair)



**Stanford
University**



ACE MENTOR PROGRAM
ARCHITECTURE • CONSTRUCTION • ENGINEERING



**Santa Clara
University**

Announcements



Interested in Outreach? ASHRAE can provide tools to help!

- ASHRAE and HVAC & R related presentations for high school and university students
- Hands-on STEM activities for K-8 students
- ACE Mentorship volunteering with High School students



ASHRAE American Society Of Heating, Refrigeration and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 ☎ 404 636-8400 • Fax 404-321-5478 •
www.ashrae.org

San Jose ASHRAE Scholarships

Various Awards Available

to Qualified Applicants

For Academic Year 2022 – 2023

Deadline for Receipt of Application:

May 30, 2023

Interviews:

To Be Determined

Announcement of Selection:

June 2023

Description of the Award:

The purpose of the scholarship is to promote student interest in the Heating, Ventilating, Air Conditioning and Refrigeration industry.

Eligibility Requirements:

1. The applicant must be a full-time student (12 Units or more) and enrolled in an accredited Mechanical Engineering, HVAC&R or other major related to the goals of ASHRAE during the 2022-2023 Academic Year.
2. The applicant can be an undergraduate or graduate student at a junior college or university
3. The applicant must be a Student Member of ASHRAE. The student membership application may be submitted along with the scholarship application.

Application Requirements:

1. Application form
2. Essay – The essay should be one to two pages outlining the applicants educational & career goals, and reasons for interest in the HVAC&R industry. Also describe any relevant student projects, work related projects, or coursework that have sparked an interest in HVAC&R. Any previous involvement with ASHRAE should be described. The applicant should also include any additional information he/she would like the selection committee to know about them.
3. Current Resume
4. Current Transcript. Transcripts must have description/name of class not just class numbers.

Please visit our chapter at <https://sanjoseashrae.wildapricot.org/> or the link from Society's home page



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Selection Process:

All applications will be reviewed by the scholarship committee & presented to the San Jose ASHRAE Board of Governors. The following criteria will be evaluated:

1. Relevance of the student's background to the HVAC&R industry based on the essay & coursework.
2. Subject matter and grades in courses relating to ASHRAE interests and goals will be strongly considered.
3. Financial need for the scholarship will be considered.
4. The committee recognizes that many students have not formulated career objectives or geographical preferences due to lack of employment commitments and experience. However, additional consideration will be given to those applicants whose career interests coincide with that of the Chapter and ASHRAE.
5. The committee may request to interview the applicant via phone or in person.

Email your application or any questions to:

Chalini Ekanayake
Western Allied Mechanical, Inc.
Phone: 650-798-9119
Email: cekanayake@westernallied.com

Or

Sargon Ishaya
Pragmatic Professional Engineers, Inc.
Phone: 408-982-6246
Email: Sargon@PragmaticPE.com



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ASHRAE San Jose Chapter 101 Scholarship Application

Academic Year 2022 - 2023

Name

Last

First

Middle

Name of College/University

Student ID #

Class Level: 2022-23 school year

Major

Emphasis

ASHRAE Member Number:

Present Address:

Street

City

State

Zip

Permanent Address:

Street

City

State

Zip

Phone Number:

Email:

Birth Date:

EDUCATION	Name & Location of School	Years Attended	Date Graduated	Subjects Studied
High School				
College/ University				

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Subjects of Special Study or Research work:

Activities (Exclude organizations that the name or character of which indicates race, creed or national origin of its members):

Date:

Signature:

San Jose ASHRAE Chapter Use Only:

- | | |
|--------------------------|-------------|
| <input type="checkbox"/> | Application |
| <input type="checkbox"/> | Essay |
| <input type="checkbox"/> | Resume |
| <input type="checkbox"/> | Transcript |

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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!

