

THE REGION **D**IFFUSER

JANUARY
2025

THE OFFICIAL NEWSLETTER OF THE ASHRAE OREGON CHAPTER SINCE 1946

HAPPY NEW YEAR! 2025



President's Address

Hello ASHRAE Dear Oregon ASHRAE Members,

Happy New Year and welcome to the start of 2025! I hope this message finds you well, energized, and ready for the exciting opportunities ahead. 2025 promises to be an exciting year for our Oregon Chapter with informative technical presentations, engaging social events, and an only-hosted-locally-once-in-a-decade **Chapters Regional Conference**.

Our technical chapter meeting this month will focus on upcoming Oregon Energy Codes featuring Mark Heizer, and I look forward to seeing you all there! Together, we can continue to drive positive change and elevate the standards of our industry.

Thank you for your dedication and continued support. Let's make 2025 a year of growth, engagement, and collaboration.

Wishing you all a fulfilling year ahead,

Elsa Harder
ASHRAE Oregon Chapter President



Upcoming Events:

January 8: ASHRAE Oregon Board of Governors Meeting, 4:45pm-6:45pm.

January 16: Chapter Meeting - "Oregon Energy Code Updates," with Mark Heizer. 4:30pm-6:30pm. NW Natural - 250 SW Taylor St., Portland.

January 30: Cascades Section Meeting - "A2L Refrigerant Updates with CMS." 11:30am. Waypoint Hotel Conference Room, Bend.



Chapter may not act for Society

JANUARY TECHNICAL PROGRAM

ASHRAE Oregon Chapter

Oregon Energy Code Updates

What's Coming in 2025?

January 16, 2025
4:30 - 6:30 PM
NW Natural - 250 SW Taylor St Portland, OR 97204

Presented by
Mark Heizer, PE LEED AP
Mechanical and Energy Code Engineer
Oregon Building Code Division



Meeting Agenda:

4:30 PM - Light snacks and drinks are served - come mingle!

5:15 PM - Dinner Served

5:30 PM - Presentation Starts

Join the ASHRAE Oregon Chapter for an insightful technical meeting featuring Mark Heizer, a leading expert in energy policy and code development. Mark will provide a comprehensive overview of the significant updates to the Oregon Energy Code for 2025, highlighting the latest advancements in energy efficiency standards, sustainability requirements, and compliance pathways.

Network with fellow industry professionals and gain valuable knowledge to stay ahead in your projects. Don't miss this opportunity to engage with one of the foremost authorities on Oregon's energy code updates!

Meet the Speaker:

Since 2010 with Oregon Building Codes Division, Mark has been responsible for technical support, code adoption and development, and interpretations for Oregon's statewide Mechanical, Energy, and Reach Codes. He's also been responsible for development and presentation of mandatory building official code change training for every new edition of these codes (2011, 2014, 2017, 2019, 2021, 2022).

Prior to joining BCD, Mark was a mechanical engineer with over 25 years of HVAC design experience, working on a wide range of projects around the globe. He has been a project design lead on a US embassy compound, hospitals, laboratories, data centers, K-12 & higher education facilities, assorted housing up to 16 stories, retail, supermarkets, prisons, police and fire stations, and over 5 million square feet of office space.

CASCADES SECTION



January Technical Program: A2L Refrigerant Updates with CMS

When: Thursday, January 30

Start Time: 11:30am

Where: Waypoint Hotel, 11415 NE 3rd St, Bend, Oregon 97701

Cost: \$30

Lunch Provided!

Our first technical presentation is scheduled for 1/30 and will be hosted by CMS, covering the upcoming A2L refrigerant transition. The intent of this presentation is to cover design/installation implications for this changeover, how to comply with the new codes, and how we can engage our local jurisdictions to get everyone up to speed on the requirements and minimize the time it takes for us as a region to become streamlined on this new standard.

Agenda:

A2L Refrigerant Change:

- Overall dates for switchover based on equipment
- Manufacturers general response to these changes; cost increases, notable delays, factory operational impacts
- Shipping, storage and handling jobsite impacts

Breakdown of detailed impacts based on application:

- VRF / Ductless
 - Refrigerant choice (32 vs. 454b)
 - Ductless split specific changeover
 - VRF piping architecture, ASHRAE 15, mode control boxes and ventilating/partitioning of piping chase paths
- Rooftop/AHUs
 - Refrigerant choice (32 vs. 454b)
 - Internal devices / sequences of packaged equipment
 - Visibility/Integration with DDCs
 - System impacts; dampers, VAV control and current operating mode impacts (heating/cooling/occupied/unoccupied, etc).
- Mechanical Rooms (water source chillers, WSHPs, indoor AHUs, etc.)
 - Refrigerant choice impacts (mostly chillers vary)
 - Internal devices sequences
 - Visibility/Integration with DDCs
 - Mechanical Room Space ventilation examples, industry trends and minimizing cost/footprint impacts



Thomas Kelly
Section President



Kyle Swenson
Section VP/ President-Elect



Jack-Ryan Hilton
Section Secretary



Eric Tabert
Section Treasurer

CALENDAR

Please note that dates/events are subject to change. Calendar will be updated throughout the year.
Please check the chapter website for details and sign up information.

ASHRAE Oregon

January 8, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

January 16, 2025: ASHRAE Oregon Technical Meeting: *"Upcoming Oregon Energy Codes,"* with Mark Heizer, PE, LEED AP (Mechanical and Energy Code Engineer). 4:30pm-6:30pm. NW Natural

January 30, 2025: Cascades Section Technical Meeting: *"A2L Refrigerant Updates,"* 11:30am. Waypoint Hotel, Bend

February 12, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

February 20, 2025: ASHRAE Oregon Technical Meeting. *"Building Electrification"* with Rand Conger.

February 24, 2025: Willamette Section Social. TENTATIVE. More information to follow!

March 12, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

March 20, 2025: ASHRAE Oregon Technical Meeting. *"Sustainability"* with Scott Mooney AIA, LEED AP BD+C.

April 9, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

April 17, 2025: ASHRAE Oregon Past President's Night.

SPRING 2025: Clay Shooting Event in planning

May 8-10, 2025: ASHRAE Region XI Chapters Regional Conference, hosted by the ASHRAE Oregon Chapter at the Hyatt Regency Portland Convention Center.

May 14, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

June 11, 2025: ASHRAE Oregon Board of Governors Meeting. Hybrid. 4:45pm - 6:45pm.

June 12, 2025: ASHRAE Oregon Technical Meeting. Topic/location TBA.

June 19, 2025: Membership Promotion Volunteer Event

SOCIETY YEAR 2025-26

July 24, 2025: ASHRAE Oregon Golf Tournament at Stone Creek Golf Club.

August 2025: ASHRAE Oregon Membership Appreciation Event

ASHRAE Society

February 8-12, 2025: ASHRAE Winter Conference and AHR Expo. Orlando, Florida.

April 23-25, 2025: ASHRAE Third International Conference on Energy and Indoor Environment for Hot Climates. Doha, Qatar.

May 1, 2025: Nominations Deadline for Fellow, Hall or Fame Award, Pioneers of the Industry Award, F. Paul Anderson Award, Distinguished Public Service Award, and Honorary Member.

June 21-25, 2025: ASHRAE Annual Conference. Phoenix, Arizona.

SOCIETY YEAR 2025-26

August 13-15, 2025: ASHRAE Conference for Integrated Design, Construction & Operations (CIDCO). Denver, Colorado.

October 22-24, 2025: ASHRAE Building Decarbonization Conference. Chicago, Illinois.



Industry Partners

January 15, 2025: ASPE Technical Meeting. *"Oregon Building Code Update"*, with Andy Skinner (State of Oregon Building Program Chief). 12:00noon - 1:00pm. 10 Barrel Brewing - 1411 NW Flanders St in Portland.

February 16-22, 2025: National Engineers Week!!

February 19, 2025: ASPE Technical Meeting. *"Thermostatic Mixing Valves A-Z"*, with Dan Cheri. 12:00noon - 1:00pm. 10 Barrel Brewing - 1411 NW Flanders St in Portland.

May 8-10, 2025: CSI NW Regional Conference at the Hyatt Regency Portland Convention Center.

Did we miss something? If you have an event you'd like added to the calendar, please email dabellone@pwsigroup.com.

2024-25 ASHRAE OREGON LEADERSHIP

Chapter President: Elsa Harder
Vice President/President-Elect: Madeline Giovagnoli
Treasurer: Cassie Kuwahara
Secretary: Ryan Pinckard
Board of Governors: Victoria Ericksen
Board of Governors: John Tijerina
Board of Governors: Rudy Nagasimha

Membership Promotion Chair: Victoria Ericksen
Government Affairs Chair: Athena Edison-Lahm
Research Promotion Chair: Rudy Nagasimha
Student Activities Chair: John Tijerina
Student Activities (K-12): Brett Daniels
Student Activities (K-12): Rae Riddle
CTTC Chair: Eileen Jensen
YEA Chair: Kha Pham
DEI Chair: Hamed Shahrokhian
Honors and Awards: Eileen Jensen

Programs: Madeline Giovagnoli
Special Events Chair: Rosie Welch
CRC General Chair: John Tijerina
Golf Tournament: Cassie Kuwahara / Rosie Welch
Newsletter Chair: Devin Abellon

Cascades Section President: Thomas Kelly
Cascades Section Vice President/ President Elect: Kyle Swenson
Cascades Section Secretary: Jack-Ryan Hilton
Cascades Section Treasurer: Eric Tabert

ASHRAE is a volunteer organization comprised of volunteer members serving the local chapter, region and Society. Our chapter cannot continue to thrive without our volunteers. Volunteering at the local chapter level is a tremendously rewarding way to give back to our industry and is a great way to network with the professionals in our local market. It also provides a wonderful opportunity to develop leadership skills! Many people may be hesitant to volunteer because they don't feel they have the time, but there are a lot of positions that only require a minimal number of hours per month. If you are interested in learning about opportunities to get involved in this dynamic chapter, please reach out to **Elsa Harder** at: eharder@southlandind.com.

We have volunteer opportunities in a number of areas, including:

- Chapter Historian
- Electronic Communications
- Refrigeration
- Sustainability



ANOTHER GREAT VOLUNTEER OPPORTUNITY: 2025 ASHRAE REGION XI CHAPTERS REGIONAL CONFERENCE

As you may know, ASHRAE chapters are organized in regions. There are sixteen regions throughout Society. The Oregon Chapter is part of Region XI, which encompasses the eleven chapters in Washington, Oregon, Alaska and Western Canada. Each spring, Region XI holds a Chapters Regional Conference (or CRC) where the leaders and volunteer members of each of the eleven chapter convene to conduct regional business and plan for the future.

We are excited to be hosting the 2025 Region XI CRC in Portland, **May 8-10, 2025** at the Hyatt Regency Portland Convention Center! This will be a joint event with CSI. This will be a wonderful opportunity to showcase our beautiful city to the rest of the region. Planning is already underway, but we are always looking for volunteers!

There will also be various **SPONSORSHIP OPPORTUNITIES!** Show your support for the local chapter! More information will follow soon, but if you have any questions, please contact CRC General Chair John Tijerina at jtijerina@sazan.com.



COMMITTEE REPORTS

Student Activities



John Tijerina
Student Activities Chair



Rae Riddle
Student Activities
K-12



Brett Daniels
Student Activities
K-12



National Engineers Week Coming: February 16-22!

National Engineers Week is great opportunity to celebrate how engineers make a difference in our world by engaging with students of all ages. It is a tremendously rewarding experience to connect with the future of our industry. If you have school age children, now is a great time to talk to their STEM teachers to schedule a visit to their class. There are a lot of great activities at:

www.discovere.org/programs/engineers-week. If you have any questions, reach out to the ASHRAE Oregon Student Activities Committee!

Treasurer Report



Cassie Kuwahara
Chapter Treasurer

Chapter Balances

Beginning Balance (November 22, 2024): \$66,236.99

Current Balance (December 26, 2024): \$57,079.72

Major Approved Expenses:

- Regional Assessment - \$8,480.00
- Filing of Taxes with SKCPA & Co. - \$1,300.00



Membership Promotion



Victoria Ericksen
Membership Promotion Chair

Membership Metrics - End of December 2024

ASHRAE Membership: **54,486 members (+162)**

Region XI Membership: **3,481 members (-11)**

- *Note: There are 16 regions in ASHRAE. Region XI is comprised of 11 chapters in Oregon, Washington, Alaska, and Western Canada.*

Oregon Chapter Members:

- **552 members (9 new members / 7 cancellations)**
- **28 student members**
- **New Members:** The ASHRAE Oregon Board would like to welcome **Kristen Aramthanapon, Lauren Donley, Jason Lay, Michael Mueller, Kha Pham, Blake Reynolds, Ross Ruecker, Lance Worth, and Mia Yang** as new members of our chapter!

If you are not an ASHRAE member, you can join NOW at www.ashrae.org/join. Why join? There are so many benefits, including:

- Access to the latest and best technical information in the HVAC&R industry!
- Reduced meeting fees!
- Free PDH credits!
- Professional development!
- Networking with peers!
- Delicious food from local Oregon catering!
- Bubbly drinks from Oregon breweries!



DEI

Diversity, Equity and Inclusion



Hamed Shahrokhian
DEI Chair



Madeline Giovagnoli
Women in ASHRAE



We are currently planning events focused on DEI, with the main goal to ensure a welcoming and inclusive culture within the chapter. If you have any suggestions, please reach out to Hamed at hamed.shahrokhian@gmail.com. As we discussed during Julia Keen's presentation in November, we recognize that significant challenges still exist for females within our industry. We would like to create a supportive and welcoming community to have open discussions about these challenges. If you would like to help plan and/or participate in future **Women in ASHRAE** events/initiatives, please contact Madeline Giovagnoli at madeline.giovagnoli@pae-engineers.com.

WILLAMETTE SECTION UPDATE



The Willamette Section of the ASHRAE Oregon Chapter was formed during the 1990-1991 Society Year, and has been instrumental in increasing participation and providing networking/professional development opportunities for those members outside of the Portland metropolitan area. Over the years, the section - based primarily in the Eugene/Springfield area (but also serving members from Salem to Medford) - has hosted monthly meetings and events, and has also helped support the student members at the University of Oregon and Oregon State University.

Recently, the members within the section have been underserved. We would like get things back on track in 2025. We are planning an informational happy hour in the Springfield/Eugene area in **February**. ***If you have volunteered with the Willamette Section in the past and/or are interested in volunteering in 2025, please reach out to Devin Abellon, at dabellon@pwsigroup.com. Thank you!***



January Birthdays

Farhad Banisadr
Ian Casey
Randy Cieloha
Nicholas Edwards
Logan Ellingson
Paul Ganz
Supriya Goel

Austin Greene
Jesse Majoros
Dennis Megrđitchian
Clifford Parke
Ryan Pinckard
Kevin Smit

William Ullrich
Jordan Vanaken
Skyler Wilder
Amanda Wood
Jianpeng Yang
Timothy Young
John Yousey

UGLY SWEATER HOLIDAY PARTY

The ASHRAE Oregon Chapter joined members from Portland CSI, AIA Oregon and NOMA to celebrate the holidays in style at the annual Ugly Sweater Party on December 12th at Blu Dot in Downtown Portland! It was a wonderful evening of networking, food, drinks, and crafts, with **ASHRAE Vice-President Madeline Giovagnali** taking home the prize for the best sweater!! Congratulations Maddie!



UGLY SWEATER HOLIDAY PARTY



Happy
Holidays

CASCADE SECTION HOLIDAY SOCIAL

The Cascades Section hosted a social event on December 12th to identify our audience makeup, see friendly faces and meet new ones, and have a casual discussion regarding topics of interest and the vision for our section. It was hosted at the Waypoint Hotel which will be our venue for all, if not most, of our future technical presentations and workshops. We had 35-40 people attend, and it was a solid mix of engineers, contractors, and industry reps. Everyone enjoyed wings from Fire on The Mountain, which was designed and built by local a firm and subcontractor here in town!



SOCIETY NEWS



2025 ASHRAE WINTER CONFERENCE

ORLANDO, FEB 8-12 | AHR EXPO, FEB 10-12



The ASHRAE Winter Conference and AHR Expo Returns to Orlando, February 8-12

Mark your calendars now for the Winter Conference!! The Conference will include technical presentations, technical committee meetings, Standards meetings, standing committee meetings and networking events. Hotel rooms are booking fast! Visit: <https://www.ashrae.org/conferences/2025-winter-conference-orlando>.

Are you interested in getting involved in ASHRAE's Technical Committees?

ASHRAE's Technical Committees are led by volunteer members (like you!) who work throughout the year to write and update handbook chapters, spearhead research efforts and create technical programs in a host of different area. Here is just an example of some ASHRAE Oregon members active in Technical Committees:

- Mattea Brown: TRG4.IAQP - Indoor Air Quality Procedure Development
- Robert Hitchcock: TC7.10 - Occupant Behavior in Building Design and Operation
- Eileen Jensen: TC9.2 - Industrial Air Conditioning and Ventilation
- Bing Lui: TC7.6 - Building Energy Performance
- Kevin Marple: TC9.2 - Industrial Air Conditioning and Ventilation
- Janice Peterson: TC2.8 - Building Environmental Impacts and Sustainability
- Jeff Ramey: TC8.6 - Cooling Towers and Evaporative Condensers
- Devin Abellon: TC6.5 - Radiant Heating and Cooling
- Michael Rosenberg: TC4.7 - Energy Calculations
- Amanda Smith: TC4.7 - Energy Calculations
- David Thomsen: TC9.6 - Health Care Facilities
- Megan Tosh: TC2.5 - Global Climate Change

If you are interested in learning more about Technical Committees, visit: <https://www.ashrae.org/technical-resources/technical-committees>. You can join as a Provisional Corresponding Member on the website and can participate remotely if you are unable to travel to Orlando.

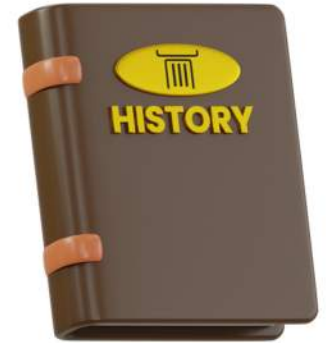
HISTORY CORNER



Devin Abellon
Newsletter Editor

Call for Historical Artifacts!

Do you have any old photos, newsletters, rosters, CRC Manuals, etc. that celebrate the rich history of the Oregon Chapter? We love to showcase them in future issues of *The Oregon Diffuser*! Also, we are hoping to create a historical display for the upcoming Chapters Regional Conference in Portland next May. Please contact Devin Abellon at dabellon@pwsigroup.com. Thank you!!



Leadership Recall: Presidential Member Ron Jarnagin



ASHRAE President 2011-2012

We remember and honor Presidential Member and Region XI champion Ron Jarnagin, who passed away peacefully on December 9, 2024, with his wife Linda and daughter Kaitlin by his side. His presidential theme was "Sustaining ASHRAE Through Leadership." Ron was known for his cheerful disposition and passion for serving and supporting ASHRAE members.

We invite you view Ron's Leadership Recall video, which can be found on ASHRAE's website by clicking on the QR code below.



Ron Jarnagin, ASHRAE President, 2011-12

Awards and honors received:

- Distinguished Service Award, 2005
- Exceptional Service Award, 2010



REMEMBERING RON: PRESIDENTIAL MEMBER RON JARNAGIN (1946-2024)



Jarnagin gives his presidential address at the Annual Conference in Montreal. The leadership backdrop is a collage of member photos.

2011 – 12 Presidential Address

Sustaining ASHRAE Through Leadership



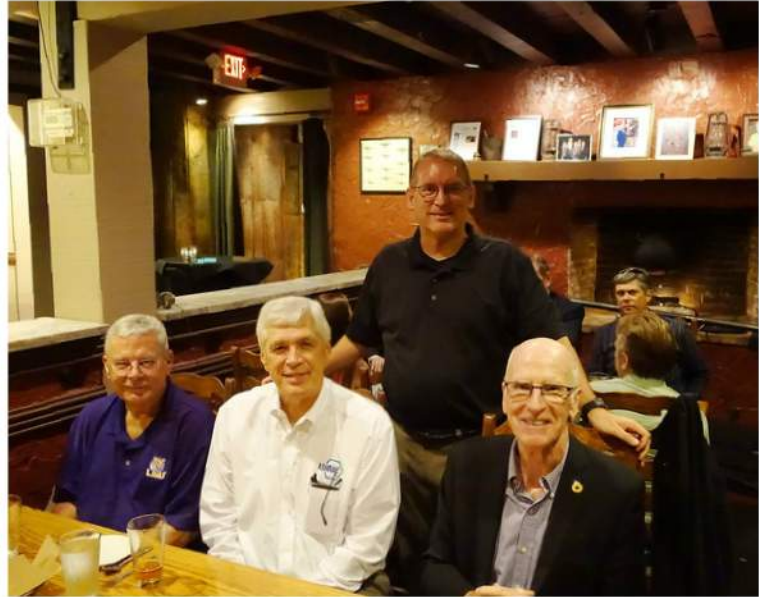
Ron Jarnagin was a friend of mine and encouraged me to continue my ASHRAE volunteer work while I was serving on the Society Membership Promotion Committee. He had an impact on many members in Region XI and was a champion for the Region. He was always focused on training up new members in the region and always looking for the next person to step up and serve. We had many informal meetings to discuss who he saw as potential leaders from Region XI and I watched as he reached out to them and encouraged them. I know how passionate Ron was about ASHRAE and it was hard not to be excited about serving when talking about ASHRAE with him.

He also had an impact on my family. Ron was always engaging with my family when they traveled with me to Region XI CRC's or Society Conferences. Linda and Kaitlin also engaged with our family and made us feel like family friends - even though we only saw one another twice a year. During our first CRC at Sea Ron challenged our two youngest sons to a NASCAR race in the simulators on the cruise ship. They talk about that to this day. Kaitlin also engaged with those two boys during a Welcome Party at Churchill Downs while enjoying non-alcoholic Mint Julips. They have a gift of inclusion and compassion.

Ron will be missed. But his legacy will always be felt in our hearts.

Kevin Marple
Oregon Chapter / Past Region XI DRC

REMEMBERING RON: PRESIDENTIAL MEMBER RON JARNAGIN (1946-2024)



Ron was such a humble person when it came to his ASHRAE accomplishments. I remember him often saying that he wasn't the one responsible but rather he just found the right person to handle whatever the issue was, and then either got out of the way or provided them the support they needed to succeed. That is a skill that can be sorely lacking and is rarely appreciated when we look at choosing our leaders. But Ron had this skill in abundance.

Ron lived and breathed ASHRAE. He was passionate about keeping it alive when it appeared to be dying on the vine and I sincerely believe his efforts were instrumental in turning the organization around. It was his vision that has allowed the rest of us to enjoy the benefits of what this society can bring.

I will miss the long phone calls we used to have when I was involved in the various positions within the Region. Being the consummate southerner that Ron was, he could truly spin a yarn. But it was always interesting and often entertaining. Sometimes, it was even somewhat relevant to the discussion at hand - LOL!

Eileen Jensen
Oregon Chapter / Past Region XI DRC