

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda
2024 Winter Conference
Hybrid Meeting Minutes
Monday, January 22, 2024 – 2:30 PM – 4:30 PM

Chicago ASHRAE Winter Conference
January 22, 2024 2:30pm-4:30pm CST
Meeting Minutes

1. Call to Order (Scott Sherwood) – Meeting called to order at 2:40 PM Central

- a. Introduction of members and guests
- b. ASHRAE Code of Ethics Commitment
In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>)
- c. ASHRAE's DEI Commitment: ([Diversity Equity and Inclusion In ASHRAE](#))
- d. Establish quorum: Scott S, Renee C, Matt C, Beth T, Dan V, Janice M present.
 - Six out of seven voting members were in attendance, so quorum established (needed 4).
- e. Revise agenda; accept agenda
 - Agenda passed. Will work on getting all agendas and minutes on the website.
- f. Approvals (if quorum is met):
 - Meeting Minutes: Janice Means moved to approve 2023 Annual Meeting minutes. Daniel Villa seconded. No discussion. Motion passed unanimously.

2. Chair's Announcements (Scott Sherwood)

- a. TC Chair Meeting
 - Report of TC Chair's Meeting included at end of agenda that was shared before today's meeting.
 - Task Force for Building Decarbonization has been very active. The Board approved a recommendation that the TFBBD be changed to the Center of Excellence for Building Decarbonization.
- b. Position Document
 - TAC approved a complete rework of the Climate Change Position Document. Don Brundage has been approved as Chair of the Committee to lead the work.
- c. Roster Updates
 - Scott, Janice, and Renee roll OFF on 6/30/24.
 - Looking for future voting members. If interested, let Scott or Renee know. Steve Spletzer wants to be considered as VM. Also looking for people to get involved in sub-committees.
 - Currently, TC has 163 members on the roster. If there are any issues with membership status, contact Scott Sherwood at TC0205@ashrae.net.

3. Subcommittee Reports

- a. Programs (Daniel Villa)
 - Scott thanked Daniel for his time as Programs Chair. Aida Rezeal has volunteered to replace Daniel Villa as Programs Chair.
 - Will be submitting 2 seminars for Indianapolis:
 1. Design for Climate Change Part 2: Looking for a 3rd speaker. Let Daniel or Aida know if interested. Will put info on what is already being covered on Basecamp. If anyone does not have access to Basecamp, let Scott know and he can add you.
 2. Wildfire Impacts on Building Occupant Health. Have 3 speakers lined up and asking TC 2.3 and TC 2.4 to co-sponsor.

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Chicago ASHRAE Winter Conference Meeting Minutes (con't) Page 2

- ASHRAE President has approved the development of a Climate Science course. Abhishek Sharma is interested in leading the effort going forward. Daniel hands off contacts to ASHRAE Headquarters to continue work. Expect it will be ready to roll out in 2 years. Suggestion was that in addition to an ALI course, we offer free webinars via YouTube. Janet Means volunteered to be part of the committee developing the course.
- b. Handbook (Janice Means).
 - Submit final chapter by July 31. Goal is to have a committee review in early March.
 - Overview section – close to complete. Negotiations with TC 4.2 on moving some info to another chapter.
 - Adaptation Section – major change in Table 4 related to refrigerants. Revising the section on IAQ as well.
 - Suggestion was made that the committee review for jargon and acronyms.
 - None of the content from our Glossary made it to the ASHRAE Terminology site. Suggestion was made to go to TC that manages content. Janice will follow-up with TC 1.6.
 - If interested in seeing Handbook work, let Janice know and she will give you access to it in Basecamp.
- c. Website (Gerardo Alfonso)
 - Sections for Handbook, Research, Programs, FAQs need to be updated.
 - Suggestion to do FAQs related to climate change on website. NOA has some of this information that we might be able to harvest.
 - We can also share webinars via YouTube videos – Janice has one that she did for TC 6.7. She will ask about us linking to that on our website.
 - Liz J. offered to help with content for the website.
 - YEA Liaison – Liz J. offered to fill this role for TC 2.5.
- d. Research (Elizabeth Jedrlnic)
 - RTAR 1947: Work Statement is very close to going out to bid. It is a large parametric study taking future weather developed off climate models for extreme and normal conditions. It is looking at heat pumps specifically and how performance specs will shift in the future. Next step is to form a committee to review the bids. Then there is a second committee that evaluates the progress of the project as it happens. This is a 3-year project. We are in need of people to fill both committees. If interested, let Liz J. know.
 - Future RTAR Projects: Suggestions are welcome. If have any ideas, let Liz J. know and she can help.
- e. Standards (Enrica Galasso)
 - Many standards are starting to include min. performance around greenhouse gas reductions.
 - Standard 100: Existing Buildings – Energy and Emissions.
 - Standard 240P: Whole life green house gas measurement. Addresses embodied carbon. Would be helpful to have program around this standard down the road.
- f. MTG.LowGWP (Larry Burns)
 - The MTG meets twice (Sunday night and Wednesday morning). MTG at transitional point. Formed to expedite development and introduction of Low GWP refrigerants, especially A2L. That work is coming to an end. Looking for feedback on future scope for the MTG. If you have feedback, let Larry know and he will take to the MTG.
 - Putting forth 2 seminars for Indianapolis: One on flammable vs. non-flammable refrigerants and one on leak reduction.

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- For Orlando, putting forth 2 seminars. One on PFAS regulation in Europe and one on CO2 product development.

Chicago ASHRAE Winter Conference Meeting Minutes (con't) Page 3

4. Liaison Reports

- a. Handbook – Javier Korenko - Not in attendance
- b. Standards – Niels Bidstrup - Not in attendance
- c. Research – William Hutzler - Not in attendance
- d. Staff – Steve Hammerling - Not in attendance
- e. TC 2.7 – No liaison to report.
- f. TC 2.8 – Renee Clair
 - Sixth edition of the Green Guide published last year. At this time, there is not interest by ASHRAE for a seventh guide.
 - Sub-committee is restarting work on developing an Energy Water Nexus Guide. The working session will start after this meeting.
- g. TC 2.10 – Scott Sherwood - No update
- h. TC 7.1 – Eric Haley - Not in attendance
- i. TC 9.9 – Gerardo Alfonso - Not in attendance.
- j. SSPC 90.1 – Don Brundage
 - About mid-point in preparing for the 2025 standard. Looking for ways to save energy, since at point of diminishing returns for equipment. Also looking at how much you can reasonably increase renewable requirements.
 - Currently has an optional, informative appendix for greenhouse gas emissions.
- k. Looking for liaison to TC 4.2. Philip Jarrett volunteered. The TC meeting is tomorrow.
- l. Previously suggested: TC 5.10, TC 6.7, SSPC 189.1, SSPC 100

5. New Business

- a. Position Document
 - Changed format that position documents have to be fairly short.
 - Don put strawman out for committee to review. Met in person yesterday and making good progress. Expect to have something to review within 6 months.
 - Don will share with TC 2.5 before he sends to Tech Council.
- b. Governmental Affairs
 - ASHRAE staff tracks regulations at state level and offers resources for advocacy, including Public Policy Position Briefs.
 - There is a bi-weekly Government Affairs newsletter. You can sign up for it online. ([GAU newsletter signup \(realmagnet.land\)](#)). Discussed potential to put link to newsletter on our website.
- c. Revision of TC Scope
 - Current Scope: [Functions | ASHRAE 2.5 Global Climate Change](#)
 - **Scott Sherwood drafted a new scope for consideration:**
 - Scott asked the group to review and provide comments.
 - Beth asked Scott for feedback from TC 2.10 about whether they will cover climate adaptation.
 - Larry suggested that we broaden to make not just ASHRAE membership aware of climate change, but the industry as a whole.
 - Discussed potential to put link to newsletter on our website.
- d. Other Items: Building Decarbonization Certification program will be available later this year.

6. Adjourn

- a. Beth motioned to adjourn. Liz J. seconded. Meeting adjourned at 5:33 PM Eastern.

Proposed: (Scott Sherwood)

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TC 2.5 is concerned with the impact that activities of the HVAC&R industry have on the global environment (refrigerants, energy, and emissions) and the impact that climate change will have on the built environment (floods, extreme weather, pandemics, etc.). This TC enhances ASHRAE member awareness of these impacts and coordinates activities and planning for the Society to address these issues.