

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda

Palmer House, Madison Room, Third Floor

Chicago, Illinois

Tuesday, January 23, 2018, 1:30 – 3:30 p.m.

Draft Minutes

1. CALL TO ORDER (Eric Sturm)

- a. Meeting was called to order at 1:30 PM
- b. ASHRAE Code of Ethics Commitment was introduced.
- c. As only two voting members were present, quorum could not be established (minimum is 3 of the 6 voting members).
- d. Without quorum being established minutes of the two preceding committee minutes could not be approved. Approval will be done by letter ballot.

2. CHAIRMAN'S ANNOUNCEMENTS (Eric Sturm)

It had been announced at the Chairman's breakfast that ASHRAE is looking for historical papers of interest to the society for its 125th anniversary for the summer meeting in Houston. Members and guests were encouraged to write and submit such papers for review by February 9.

3. UPDATE ON SOCIETY'S CLIMATE CHANGE POSITION DOCUMENT (Don Brundage)

Mihir Nankeolyar (and later Don Brundage) reported that the document is nearly complete. It had been sent to the technical council (T.C.), but the appendix was outdated, which has now been corrected. There was discussion as to whether or not the PD needs to go back to this committee or could be resubmitted directly back to T.C. It is already late and the committee would like to have it reviewed in April.

ACTION – Beth Tomlinson to determine whether this PD can go direct to T.C. or a letter ballot is needed.

4. ROSTER UPDATE

- a. The committee currently has 6 voting members, the minimum allowed, and often struggles to make quorum (as is the case today), and two existing members (Julien and Cynthia) will be stepping off. Several observers and guests expressed an interest in becoming voting members and will be added to the roster by the chairman.
- b. More corresponding members would also be welcome.
- c. By the summer meeting, Enrica Galasso will become chair of the committee, and a new vice chair is needed. Several people expressed interest and will be discussing with the current chair after the meeting (submission due tonight).

5. LIAISON REPORTS

- a. Research – Dr. Pawel Wargocki was not present, so no report was given
- b. Standards – Cyrus Nasserli was not present, so no report was given
- c. TC 7.1 – Eric Haley reported that in his opinion this committee does not need to have a liaison with TC 7.1, as that committee's focus is evolving from energy modeling to code support. It was suggested that TC 2.8 (Building Environmental Impact and Sustainability) may be a better liaison for this committee.
- d. SSPC 90.1 – no update
- e. Other committees discussed as liaison opportunities:
 - TC 5.10 – Scott Sherwood will liaise
 - TC 2.7 – Matt Clark will liaise

SCOPE: TC 2.5 is concerned with the impact that the activities of the HVAC&R industry may have on the global environment, including greenhouse warming and ozone depletion. This Task Group coordinates activities and planning for the Society to address these issues. This includes identifying factors within the scope of the HVAC industry, which may impact, favorably and unfavorably, the global environment and the role that ASHRAE is serving and could serve.

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TC 9.9 – Gerardo Alfonso will liaise

Also suggested for future consideration 4.2 (climate data), 8.3 (absorption), 6.2 (district energy)

- f. It was mentioned that Publications Committee want to pull out sustainability and resilience publications and that this committee needs to approach them to discuss. **ACTION** – Beth Tomlinson.
- g. It was also brought up that the scope of this committee is the impact of HVACR on the environment, but we may also need to include the impact of the environment (climate change) on the HVACR industry.

6. SUBCOMMITTEE REPORTS

- a. Programs (Scott Sherwood)
 - I. Scott reported that 62 people attended the Resiliency seminar and there was a lot of good discussion related to Hurricane Sandy and how to make the buildings more resilient to climate related events.
 - II. At the summer conference in Houston, Scott will chair a seminar on lessons learned from Hurricane Harvey and strategies implemented. Scott encouraged other speakers to get involved or submit ideas for this seminar as well as for future ones, and the following were mentioned:
 - i. TC 2.7 has added flooding to its scope and may want to participate. **ACTION – Matt Clark**
 - ii. ORNL may want to help with building efficiency
 - iii. Refrigerant flammability should be a topic
 - iv. How ASHRAE develops climate data
 - v. Systems approach to energy efficiency (rather than evaluating each unit separately)
 - vi. Food cold chain in developing countries – i.e. absence of refrigeration causing food to spoil, which creates CO₂ emissions and other environmental effects
 - III. Deadline for submissions is February 9. It was mentioned that prior to the beginning of this conference in Chicago there were already 155 submissions registered for Houston while only 65 will be allowed in – so there will be competition.
 - IV. Enrica Galasso to be the contact for program suggestions
- b. Climate Change Chapter for 2021 Handbook
Beth Tomlinson will take over this project from Alamelu Brooks. New members are encouraged to get involved in this effort (there already were a number of volunteers at the long Beach meeting). An outline of the chapter had been prepared by Matt Ritter, the previous committee chair, and should be the starting point for future efforts. **ACTION – Allen Karpman to obtain the original outline from Matt Ritter.**
- c. Website (Eric Strum)
Website is functioning, but may not be up to date. Members encouraged to take a look and report back any inconsistencies they find.
- d. Research (Scott Sherwood)
Review submission deadline March 15. Encourage other members to get involved in doing literature search.
- e. Standards (Matt Clark)
SPC15 – active, removed ammonia specific info and instead is referring to IIR standard, adding A2L.
STD34 – 3 new refrigerants approved
- f. MTG.LowGWP (Larry Burns)

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Purpose is to expedite standard development to support transition to A2L. 3 programs sponsored – 1807/1807/1808 – addressing handling, transportation, storage, impact of low GWP system design

7. Update Reports on Related Treaties, Accords, and Activities (Round Table Discussion)

- a. Social impacts of changes in climate were discussed, such as rain during dry season in Colombia and lack of water in Capetown, South Africa. It was pointed out that ASHRAE must stay away from causality of events and politics while concentrating on what ASHRAE can do to mitigate.
- b. Bill McQuade, Paul de Larminat and Allen Karpman gave updates on Montreal Protocol, Kigali Agreement, F-gas regulations and the SNAP status. Kigali will go into effect in 2019 as there are now more than 20 countries who ratified. In Europe, there is a shortage of HFC. SNAP legal challenge not yet resolved.

8. Other Business

A question came up about what designated liaisons ASHRAE may have with other organizations. Bill McQuade mentioned that there is a list on the ASHRAE website.

9. Adjourn

Meeting was adjourned at 3:15 PM.