

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda

Kansas City, MO

Marriott-West, 3rd Floor, Jay McShann B

Tuesday, June 25, 2019 – 1:30 PM – 3:30 PM

Meeting Minutes

1. Call to Order (Enrica Galasso)

- a. Meeting was called to order at 1:30 PM
- b. ASHRAE Code of Ethics Commitment was stated and acknowledged
- c. Quorum was established.
Voting members: Enrica Galasso, Beth Tomlinson, John Karakash (non-quorum), Scott Sherwood, Mihir Nandkeolyar, Allen Karpman (non-quorum), Gerardo Alfonso
- d. Agenda was voted on and accepted.
- e. Approvals:
 - i. Meeting Minutes – January 2019 Winter Meeting, Atlanta – [Motion to approve passed unanimously.](#)

2. Chairman's Announcements (Enrica Galasso)

- a. Report of TC/TG Chair's Meeting – there is an overall effort to consolidate the number of TCs, but no forced mergers are expected. There could be joint subcommittee meetings (e.g. 2.5 and 2.10). Possibility to organize TC and subcommittees meetings on the same day to help optimize travel. There is not enough equipment to carry out all meetings with remote participation. Can bring own speaker.
- b. Review of previous action items – none.

3. Roster Updates (Enrica Galasso)

Changes were submitted, to become effective July 1. Anyone who wants to be a voting member is encouraged to reach out asap.

4. Update on ASHRAE's Climate Change Position Document (Don Brundage)

IPCC Report 6 is about to come out, will have summaries available. Want to wait to use the latest information in finalizing the PD.

5. Liaison Reports

- a. Research – Dr. Pawel Wargocki – rolling off, not present. His replacement also not present. No report.
- b. Standards – Cyrus Nasseri – no report
- c. Staff – Michael Vaughn – no report
- d. TC 2.7 – Matt Clark
 - o No changes since last meeting
- e. TC 2.8 – Renee Clair
 - o Version 6 of Green Buildings is expected 2021 (summary). Chapter on energy research and sustainability – July 2020.
- f. SSPC 90.1 – Don Brundage
 - o Completed work on new edition, expected print in October.
- g. Previously suggested: TC 5.10, TC 2.10, TC 9.9, SSPC 189.1, SSPC 100

There is a feeling in some circles that the term “climate change” is becoming too passive and does not reflect the urgency of the situation. We are likely to see the terms like “climate emergency” or “climate crisis” used by parts of media.

 - o TC9.9 – Gerardo will become a liaison. Many types of research projects ongoing, very busy area. New guidelines being used in Europe, being translated into Spanish for Latin America
 - o TC2.10 – Scott Sherwood agreed to be the liaison. Need to make sure our work is not overlapped with 2.10.
 - o SSPC189.1 – proposing performance metric based on 20-yr, but all other standards use 100-yr. Not likely to be accepted.
 - o TC 6.7 – new discussion. Photovoltaics design and installation. May be of interest to our group.

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda

Kansas City, MO

Marriott-West, 3rd Floor, Jay McShann B

Tuesday, June 25, 2019 – 1:30 PM – 3:30 PM

6. Subcommittee Reports

- a. Programs (Scott Sherwood)
 - 6.7 asked us to co-sponsor Seminar 59 (grid...)
 - College of Fellows Debate – Elizabeth summarized discussion. How to include these considerations in design? Debates will continue.
 - Refrigerant Flammability risk assessment. Submission to Energy&Environment. Will discuss in Orlando.
 - Scott will chair new “Adaptability desing and resilience program.
 - College curriculums in colleges need to promote climate science and adaptation. Is it an appropriate area for ASHRAE to get involved? Possible to support workshops. If anyone from 2.5 is interested in becoming a distinguished lecturer. Scott will research the requirement, but this activity will involve extensive travel.
- b. Handbook (Beth Tomlinson)
 - Climate Change Chapter for 2021 Handbook – 3 chapters ready online: Climate Science, Mitigation, Adaptation. July 31 is the deadline for 2.5 to provide review to subcommittee, expect to be published by the winter meeting.
- c. Website – Gerardo Alfonso took over from Michael Munroe. Everyone is asked to suggest what to publish.
- d. Research (Scott Sherwood)
 - 6.30 – research subcommittee on training, focused on students. Need to get them involved.
 - W.Hertzel will replace Pawel as Research liaison.
 - Elizabeth Jedrlinic will take over as research chair
- e. Standards (Matt Clark)
 - Std 15 – new working group on piping connections, common wotk with AHRI, use of A3 refrigerants in vending machines
 - Std 34 – assigns R numbers to blends. May discuss components that are not themselves refrigerants.
 - Energy efficiency std for historic buildings published in May
- f. MTG.LowGWP (Larry Burns, John Karakash)
 - Project 1855 – evaluation of byproducts of fluorinated refrigerants. In process, statement of work generated.
 - Odorant project (for leak detection) – have not found anyone to work on. AHRI developing sensors.
 - Projects 1806, 1807, 1808 (A2L refrigerants) – complete or near completion.

7. Update on related treaties, accords and activities (Round Table discussion)

- a. Bill came up in MN re adding climate change to topics on education. Not sure the status.
- b. Update on Kigali Agreement – U.S. still has not ratified

8. Other/New Business –

Policy Brief on Climate Change brought to ASHRAE for consideration. Chapter on Sustainability+Climate. Would this TC be interested in developing it? Need to check on process, TBD in Orlando.

9. Adjourn – meeting was adjourned at 3:30 PM.