

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.
- d. Agenda was voted on and accepted.
- e. Approvals:
 - i. Meeting Minutes – January 2018 Winter Meeting, Chicago – [Motion to approve passed unanimously.](#)
 - ii. Meeting Minutes – June 2018 Annual Meeting, Houston – [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, and it is proposed to reduce the total from ~110 to ~30. A lot of pushback from different committees who don't want to be combined. There will likely be more collaboration even if the total consolidation does not proceed as far as planned.

3. Roster Updates (Enrica Galasso)

Voting members can stay on a maximum of 4 consecutive years, after that one year off is required. It is preferable that all voting members do not "toll off" the same year. Nominations were expected later that day. Remote attendance may be possible, will try it this year. Basecamp is a good tool, but may not be best for correspondence in this committee because distribution list and amount of info is too large.

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

The document is finished and available on the ASHRAE website (can just use Google). Committee thanked Don for his excellent contribution.

5. Liaison Reports

- a. Research – Dr. Pawel Wargocki – not present, no report
- b. Standards – Cyrus Nasserri – not present, no report
- c. Staff – Michael Vaughn – not present, no report
- d. TC 7.1 – Eric Haley
 - o Eric proposed to drop 7.1 from our list of liaisons as not relevant. There were no objections, so decided.
- e. TC 2.7 – Matt Clark
 - o Working on new chapter "Design for flooding"
- f. TC 2.8 – Renee Clair
 - o Little relevance to our work at this time, will continue monitoring
- g. SSPC 90.1 – Don Brundage
 - o Trade-off between renewables and energy efficiency (renewables cannot make up >10%)
- h. Previously suggested: TC 5.10, TC 2.10, TC 9.9, SSPC 189.1, SSPC 100
 - o TC9.9 – mission critical (facilities, electronics), data control is becoming an ever larger power consumer. There was a discussion whether a formal process exists for establishing a liaison, and decided that we can just attend and report. Establish a liaison.
 - o TC2.10 – no report, no members attended
 - o SSPC189.1 – has a useful table, should continue to monitor
 - o TC189.3 – generally follows 189.1. Historically exempted healthcare, but not anymore. Continue monitoring if possible.

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda

Atlanta, Georgia

Omni Hotel at CNN Center, M3, North Tower, Hazelnut

Tuesday, January 15, 2019 – 1:30 PM – 3:30 PM

- TC4.2 – acknowledged interest in cooperation with 2.5, will explore further

6. Subcommittee Reports

- Programs (Scott Sherwood)
 - Had a meeting on Jan 14.
 - TC4.2 is working on new program, wants 2.5 to co-sponsor
 - 2 seminars are planned for Kansas City, with debates
 - Topics include energy efficiency of HVACR equipment, climate impact on “indoor agriculture”, geothermal impact on buildings with temp changes, ozone levels, commissioning new and existing buildings, energy intensity and energy modeling.
 - Union of Concerned Scientists provides information on potential sea level rise by zip code.
- Handbook (Beth Tomlinson)
 - Climate Change Chapter for 2021 Handbook – draft is expected in 2020, getting together the writers now, active participants needed. Will be on basecamp.
- Website (Michael Munroe) – no report as Michael not present. Geraldo volunteered to take over.
- Research (Scott Sherwood)
 - Resiliency is a big topic. RAC is creating a research app for easy access by TCs.
 - PTAR (Publication Topic Acceptance Request) – new format of funding. RTAR (Research TAR) costs \$200K, PTAR is cheaper.
 - TM36 – wants to move from UK-centered to incorporate more US studies, using input from TC2.5 and others.
 - TC7.5 – working on updating controls. Better controls help with climate adaptation.
- Standards (Matt Clark)
 - SSPC15 released 2 addendums on A2L safety. Piping connections and other recommendations/standards are being developed for A2L as a class.
- MTG.LowGWP (Larry Burns, John Karakash)
 - Status of the 3 projects evaluating the A2L risk and promoting standard development:
 - 1806 – ongoing. Simulation tools for ignition event. Criteria for validation needs to be developed to complete
 - 1807 – completed (transport/storage/installation)
 - 1808 – completed (report due in Feb)
 - New proposal – 1855 – evaluation of byproducts of fluorinated refrigerants. RAC has proposed for final approval.

7. TC Scope Review (Enrica Galasso)

- Review relevant committee scopes on supporting “TC Scope Review” document
 - Table being prepared. Pending decision on the possible consolidation of TCs.

8. ASHRAE Technical FAQ (Enrica Galasso)

- Review FAQ 33 – “What is the phase-out schedule for HCFC refrigerants?”
- Discuss potential proposal of new FAQ – “What is the phase-out schedule for HFC refrigerants?”
 - Several correction to be made were noted. A group to be formed in February to revise/provide feedback. Check for consistency with ASHRAE’s position on Climate Change.

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

- a. International Treaties on Climate Change and Ozone
- b. Europe
 - o Round table discussion and updates on Montreal Protocol, Kigali Amendment, US federal and state regulations.
- c. North America
- d. Asia
- e. Others

10. Other Business – no other business

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