



ASHRAE TC 9.2
Industrial Air Conditioning
Annual Meeting Agenda – Atlanta, GA
Kansas City Convention Center, 2015B
Tuesday 6/25/19
1:00 – 3:30 P.M

1:00 - 3:30 P.M. Kevin Marple chaired the meeting

1. Call to Order and Opening Remarks - Marple

- “Commitment to the ASHRAE Code of Ethics – 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>.)” <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

2. Self-Introduction of Members and Guests – All

See sign in sheet for attendees.

Remote participants:

- Anthony Arens
- Caterina Clark
- Joel Foster (voting member)
- Bill Kumpf
- Erik Ostberg
- April Ricketts

3. Quorum Status Determination of Meeting Quorum – Marple/Phyfe

Yes we have quorum: 9 voting members in attendance.

- Voting members: **9 Total** (local: 8 & Online: 1)
 - *Local:* Erich Binder, Mike Connor, Kevin Marple, Duncan Phyfe, Deep Ghosh, Bill Lampkin, Ravi Ganta, John McKern
 - *Online:* Joel Foster
- Total Attendance:

- 18 – local / 6 - online / **24 - Total**
- Non-Voting members: 5
- Guests: 5

4. Approval of Minutes from Atlanta Minutes – Marple/Phyfe

- Minor corrections to Atlanta Minutes:
 - Bill Lampkin & Deep Ghosh comments to the TC merger discussion (corrected)

Motion: Erich Binder / *to accept the minutes with minor corrections*

Second: Mike Connor

Vote: Unanimous (No abstentions) / **Motion Passed**

5. Chair Report Section Chair Meeting Update – Marple

Section 9 section head:

- Update on ASHRAE plan:
 - Remote sub-committee meetings
 - TCs suggesting merging as seen for synergies vs. forced merger
 - (Marple) in conversations with other TC

TC 9.2 Chair: Highlights from Chairs breakfast (full report attached)

- Changed the meeting format to improve communications
- Program submission dates available through Austin
- Discussion on consolidated TCs toned down
 - But the TCs are encouraged to talk and consider mergers
 - TC 9.2 has been approached by various to start the merger conversations
 - What are the past “spun offs” maybe that could be brought back
 - Discussion nothing identified
 - Discussion over benefit to merger vs. standing alone
 - Not meeting quorum is a push from ASHRAE for the merge to leverage common resources
 - Few volunteers needed for voting membership and committee executives

6. Membership Report Voting Member Status, Roster Update & New Members - Marple

- Call for members to join/upgrade
- Marple to follow up with members for their roll-off dates

7. Chapter Technology Transfer Committee (CTTC) Liaison:

- No report

8. Handbook Subcommittee Report

- No report

9. Research - Ken Mead

- No report
- Ghosh: Heat Gain from Electrical Equipment, submitted 2011
 - ASHRAE not processed
 - Suggesting ASHRAE to process research
 - 2011 limited scope of data should be updated for 2019
 - Create RTAR to update (RTAR for next meeting)

Motion: Deep Ghosh / *Recommend the society to release the Heat Gain from Electrical Equipment research for processing*

Second: Erich Binder

Vote: Unanimous (No abstentions) / Motion Passed

- Marple: TC 2.3 still looking for champion for 3D printer RTAR
 - General conversation around industrial sized printers
 - Joel Foster, volunteered
 - Input from Bill Kumpf on topic

11. Program Report: Future Programs and Program Plan – Bill Lampkin

- See attached minutes from subcommittee meeting
- No programs in KC
- Orlando:
 - Erich Binder working on Cold Climate
 - Marple willing to be the session chair
 - Hazardous space – Baucom, close to publication
 - Osterberg willing to help
 - Battery Workshop – Ghosh
 - Discussion of Tracks for Orlando & Austin
 - Orlando seems to be the best venue
 - Phyfe has a “template” for session submission
 - Will provide for any that are interested

12. Update on all Standards – Deep Ghosh

- STD SPC 128 Method of Rating Portable Air Conditioners
 - Published
- IEEE 1635, joint venture Guideline 21, Battery Ventilation
 - Published

13. Hazardous Spaces

- Hazardous Spaces Guide is in final stages
 - Cindy Michael's (ASHRAE) – recommending 6x9 booklet
 - Need to change the numbering style
 - Booklet helps imply this is not a guideline/standard
 - Provide a disclaimer in document to state “roadmap goal”
 - Roadmap vs. scientific document
 - Not a guideline/standard
 - Document will point user to the right documents that apply to various processes (these are the documents one needs)
 - Additional cold climate references added
 - Chemical Safety Board (USCE)
 - No responses from draft provided to them
 - (Osterberg) USCE provided recommendation to ASHRAE for this document
 - Targeting: Final review by committee over the summer
 - Desire voting to publish prior to winter meeting
 - (Kumpf) NOTE: TC 9.10 has referred to this document as a standard
 - (Binder) to reach out (Kelly Cramm) for feedback
 - (Binder/ Baucom) Welcomes review by any TC

14. STD 62.1 Liaison

- Duncan Phyfe is liaison - no report, unable to make it to meetings

15. STD 90.1 Liaison

- Liaison-position is open - no report
- Baucom: submitted an article to Processing Magazine, full text is attached
 - Article intro:

With growing emphasis on energy efficiency by State Regulators, growing numbers of OEMs, Engineering Firms and End Users are caught up in a desperate struggle. Overlooking or not being able to apply a 90.1 Scope provision, State Regulators are often requiring that Industrial HVAC Systems achieve mandated energy efficiency ratings, which can compromise compliance with NFPA 496 requirements or API 500 recommendations, limiting abilities to ensure the safety of facilities and protect workers!
 - Asking TC for permission to go before 90.1 and ask for an addendum or other to clarify scope/regulations
 - Ensure energy savings should not trump safety

- (Ghosh) to touch base with chairman of 90.1
- (Marple) encouraged Baucom to continue his efforts within ASHRAE
 - Active work in TX but Needs to be non-state specific
 - (Jensen) In discussions with States disclaimer that you aren't representing ASHRAE in conversations

16. TG 2 HVAC Liaison

- Doug Abramson is liaison - no report

17. Webmaster

- Baucom website is updated
- Web Sites <http://tc0902.ashraetcs.org/index.php>

18. Journal/Insights Liaison

- Norm Maxwell is liaison - no report.

19. ASHRAE Learning Institute (ALI)

- Norm Maxwell is liaison no report.
- (Binder) Typically producing "TED Talk" style
- (Phyfe) ASHRAE's eLearning is looking for Subject Matter Experts

20 Old Business:

- HVAC Guide:
 - (Binder) Basics of applications books – is the TC interested in doing something?
 - Incorporate into industrial conference
- Industrial HVAC Conference – Fall 2021 Toronto (Doug Cochrane)
 - ASHRAE/CEC approached to take on conference
 - Existing leadership is stepping away
 - Not providing great detail of history
 - Looking to package as "ASHRAE out of the box – topical conference"
 - ASHRAE will take over conference as "Topical"
 - CEC believes resources available
 - CEC working up budget and location/site data – to be completed by July 5, 2019 for review by steering committee
 - Topical conference ~225 ppl
 - Conference would be in Toronto
 - Looking for TC to take on steering committee

- Co-Director: (Doug Cochrane)
- ACTION: Steering committee required:
 - The following individuals agreed to be on the steering committee: Mark Miller; Deep Gosh; Michael Baucom; Michael Connor; Erich Binder; Erik Ostberg; Eileen Jensen; Kevin Marple; and Matthew Kampen
- Typical conference is Academic/Research
 - Likely, function more industrial practitioners
 - Reduced not removed research
- Discussion/Q&A:
 - Various questions: conference style, dates, attendees, etc.

21. New Business – Marple

- ASHRAE-UNEP
 - Assessment Guide for Sustainable Operations and Maintenance of Refrigeration and Air Conditioning Plants (MTG)
 - Looking for 2 representation
 - Binder volunteered, Phyfe Alternate
- ASHRAE Guide for Oil & Gas
 - Looking towards Industrial
 - (Foster/Binder) to follow up
- Nuclear Sub-committee
 - Annual meeting only
 - Incorrectly scheduled for this meeting
 - Working on Design Guide – 17 Chapters
 - 7 chapters completed
 - 5 chapters to be completed by July
 - Plan to be completed 12/19
 - Currently accelerating for 10/19 completion for 1/20 publication
 - CONACT/ASHRAE communications
 - (Krumpf) letter needed from ASHRAE to be liaison “as official”
 - If updates are informal “not speaking for ASHRAE”
 - (Marple/Ghosh) to follow up
- Calling attention to February 4th, 2020 schedule for Winter Conference TC9.2 Meeting

22. Adjourn Announcement of Next Meeting

- Next meeting February 4th, 2020 @ Winter Conference, Orlando

Motion to Adjourn: Binder moved. 3:20 pm

Action Items:

Action for	Action Item
Marple	Follow up with TC 9.2 members with roll-off dates
Ghosh	Communicate to ASHRAE Research to release the 2011 heat gain work to be processed and finalized
Marple	Connect Joel Foster with TC 2.3 for 3D printer RTAR
Phyfe	Send out seminar session "template"
Ghosh	To touch base with Chairperson of SSPC 90.1 – for discussion with Baucom on "Energy Saving over Safety"
Phyfe	Look at ASHRAE's Elearning for possible interest of TC 9.2 to champion as SME
Foster/Binder	To look into creating a Guideline for Oil & Gas
Marple/Ghosh	Follow up on need/desire for official ASHRAE liaison role for Ghosh with CONACT

Respectfully submitted

Duncan Phyfe

Secretary

July 10, 2019

Attachments:

- TC 9.2 Agenda for Kansas City
- TC 9.2 Approved Meeting Minutes from 2019 Winter /Atlanta (no including attachments)
- TC 9.2 Sign-In
- TC 9.2 Program Sub-Committee Report / Program
- full text of Mike Baucom's submitted article for Processing Magazine
- June 2019, TAC Section Head Breakfast Handout