

Minutes

2016 ASHRAE Winter Meeting Orlando, FL

TC8.11 Unitary and Room Air Conditioners and Heat Pumps Monday, January 25, 2016 4:15 – 6:30 PM Location:, Hilton (Orlando V)

Sponsored Program

Seminar 1 – An Assessment of Unconventional Heat Pump Sizing with Variable Capacity Technology, Sunday, January 24, 8:00 AM – 9:00 AM

Seminar 37 – Best Practices in Manufacturing, Field Installation and Servicing Refrigeration and Air-Conditioning Systems, Tuesday, January 26, 8:00 AM – 9:30 AM

Minutes

1. Call to order Berg
 - a. Meeting was called to order at 4:20 p.m.
2. Introductions All
 - a. Introductions were made, finished 4:27
3. Determination of a quorum Berg
 - a. Quorum was met. 9 of 10 voting members present (Dane Christenson absent)
4. Announcements and Highlights Dustin
 - a. ASHRAE has assigned new email aliases for subcommittee chairs
 - i. Chair: TC0811@ashrae.net
 - ii. Vice Chair: TC0811.vch@ashrae.net
 - iii. Secretary: TC0811.sec@ashrae.net
 - iv. Handbook Chair: TC0811.hbk@ashrae.net
 - v. Program Chair: TC0811.pro@ashrae.net
 - vi. Research Chair: TC0811.rec@ashrae.net
 - vii. Standards Chair: TC0811.std@ashrae.net
 - viii. Webmaster: TC0811.web@ashrae.net
 - Reminder to members to update your bio to make sure you have a current email address listed so that emails will reach you.
 - b. Remote participation meetings are in beta
 - c. Standards liaison, Jim Oswiger, asked the committee to inform him of any standards reaffirmed/revised/withdrawn
 - d. Steve Duda, former Section chair to TC 8.11, received the Hightower Award
 - e. 4 new multidisciplinary task groups formed since the Atlanta meeting. TC 8.11 is only part of one: Avoided Source Energy Consumption Due to Waste Heat Recovery and Heat Pump Technologies (MTG.ASEC). Representative is Van Baxter for TC 8.11.
 - f. Tracks for St. Louis
 - i. Advances in refrigeration systems and alternative refrigerants
 - ii. Research summit
 - iii. Fundamentals and application
 - iv. HVAC Systems and equipment
 - v. Smart Bldg systems, remote monitoring and diagnostics
 - vi. Indoor environment – health, comfort, productivity
 - vii. Professional skills beyond engineering
 - viii. Renewable energy systems and net zero buildings
 - g. ASHRAE: master calendar available on google calendar and can be synced to Outlook. Logon with your Google account, add a calendar,

use techservices1791@gmail.com. Sync to Outlook with CalendarSync (http://dl.google.com/googlecalendarsync/GoogleCalendarSync_Installer.exe)

5. Agenda additions All
a. Refer to New Business (below)

6. Liaison reports (as they arrive) Liaisons
a. MTG.LowGWP refrigerants. Dutch Uselton to replace Barve as liaison.
b. MTG.ASEC (Van Baxter liaison) – nothing to report, committee was just formed.
R. Suda is alternate liaison.

7. Approval of Minutes from Atlanta Berg

Motion by Ray Rite. Seconded by Byron Horak.
PASSED unanimously 9-0-0 CNV (chair not voting).

8. Membership/Roster Berg
a. Must update roster after meeting
b. C. Messmer replaces E. Berg as chair after next meeting
c. D. Christenson replaces C. Messmer as V. Chair after next meeting
d. Need a new secretary – please contact Eric Berg (Update: Luis Escobar volunteered)
e. E. Berg to replace D. Schuster as research chair

9. Subcommittee reports Kevin Mercer
a. Programs
i. Orlando (this meeting) we had three programs (listed above). Chair reports the first meeting, Seminar 1, was well attended, almost standing room
ii. Feb 8 is deadline for St. Louis seminar abstracts
iii. April is deadline for Las Vegas conference papers
iv. Ideas:
1. Summary of DOE new rule – maybe for Las Vegas
2. Cold climate technologies – remove from list. Van Baxter and E. Groll submitted 4 conference papers sponsored by a different committee.
3. Controls – need ideas “is it time to discuss variable speed products? Too proprietary?”
4. Reduction of uncertainty of psychrometric testing
5. Great Debate – remove from list. Was track for Orlando only.
6. Controls ideas. Advanced defrost algorithms (V. Payne) “Can we give credits for better defrost?”
7. Conference paper on RP1608 Load based testing? (Lorenzo)
8. Forum? Is it time for a forum to generate seminar ideas? (V. Payne)

- b. Research Don Schuster
i. See Research Subcommittee Report
ii. Votes
1. RP 1605. Motion to approve a no-cost extension to PI time to complete report by May 30 (motion by Rusty, Seconded by Byron)
APPROVED 9-0-0 CNV

- c. Handbook Ray Rite
i. Chapter 49 and 50 proof review. Van will review Ch50, Ray will review Ch49
ii. Chapter 1 residences: no activity yet, will ask at next meeting. Think about international content for the handbook

d. Standards

Chris Stone

Chris Stone provided an update on the standards relevant to TC 8.11. The following is a short list:

- i. ASHRAE 16 - SPC meets tomorrow morning
- ii. ASHRAE 58 – in the process of being rewritten
- iii. ASHRAE 37/116 - being revised, TPS was updated; decision to combine them into one document; SPC 116 was disbanded. SPC37 will meet Wednesday at 8am.
- iv. ASHRAE 37 was reaffirmed last meeting; ASHRAE 116 will need to be affirmed at St. Louis meeting.
- v. ASHRAE 137 desuperheater water heater - TC 6.6 - no activity required.
- vi. ASHRAE 206 - integrated heat pumps - new standard - Wayne Reedy (only one manufacturer testing to it - recommend that it be reaffirmed) It has three addendums. Are the addendums rolled into it?
Motion to reaffirm (Dusty/Byron) APPROVED 9-0-0-CNV
- vii. ASHRAE 41.1, temperature measurement, was voted to reopen
- viii. ASHRAE 41.2, airflow measurement, was revised. There were no public comments so it should be published by the next meeting.
- ix. ASHRAE 41.9, refrigerant mass flow measurement, open SPC meeting in Orlando and St. Louis
- x. ASHRAE 41.10, refrigerant flow with flow meters; voted to re-open
- xi. ASHRAE 41.12, uncertainty, refer to ASME 19.1
- xii. ASHRAE guideline 2 up for review.
- xiii. General update on ISO: last meeting was July 2015; all the Working groups (WG1-made modifications for multi-split also writing MOT for portable ACs, WG3 - modifying 13056 to include seasonal efficiency, 10, 12-heat pump water heater, 13-water source meeting in Texas, others meeting May 18 in Atlanta); 16491 on uncertainty is up for reaffirmation;
- xiv. ASHRAE std 15.2 safety std for residential refrigeration systems: move to standards division; meeting 8-12n Tuesday in Ruby Lake room; want to have ready for 2021 IRC cycle.

e. Web site

Darrin Nutter

- i. New website is much better; a lot of content is automatically updated.
- ii. Any ideas? Darrin is suggesting a link to prior research reports sponsored by the committee.

10. Old Business

- a. None

11. New Business

- a. We have one question for ASHRAE FAQs. "Where can I buy a good air conditioner?" Answer needs improvement. Needs to be more gender neutral.

12. Adjourn

Motion to adjourn. PASSED unanimously