

ASHRAE TC 8.11 Las Vegas DRAFT Meeting Minutes

February 2, 2026

Unitary and Room Air Conditioners and Heat Pumps

Determination of Quorum

VOTING MEMBERS FOR THIS MEETING (Need 5 for a Quorum)

X	Parveen Dhillon	6/30/2028		Chris Stone	6/30/2028
X	Michael Creamer	6/30/2026	X	Kevin McFadden	6/30/2026
X	Chad Kirkwood	6/30/2028	X	Darin Nutter	6/30/2028
X	Omar Abdelaziz	6/30/2026		Kishan Padakannaya	6/30/2029
X	Jason LeRoy	6/30/2026			

Quorum was achieved with 7 of 9 voting members present.

Approval of Meeting Minutes

- *Motion: To approve minutes from TC 8.11 meeting in Phoenix (1st: O. Abdelaziz, 2nd: D. Nutter)*
 - *Result: Motion passes (7-0-0-2)*

Committee Membership

- Austin conference will be Scott's finally conference as Chair. Kevin McFadden will become Chair at the next conference in Chicago.
- Haotian Liu, Robert Glass, and Brett Schneider expressed interest in joining as voting members effective in Chicago (Winter 2027). Scott to make the update.
- Andy Hjortland volunteered to serve as the next Secretary, to be effective in Chicago.

Research Updates

- Ray Wright won the Service ASHRAE Research Award.
- The Research Advisory Board is looking for input, regarding where research should go in the future.
- \$2.3 million dollars were raised last year. Ahead of goal so far this year.
- Three RTARs were reviewed.
- RP 1785 "Refrigerant Charge Modeling in Coils for Residential Split Systems":
 - Report has been submitted and approved.

- *Motion: To approve final report and submit to RAC (1st: C. Kirkwood, 2nd: O. Abdelaziz)*
 - *Result: Motion passes (7-0-0-2)*
 - This concludes the project, which will be published on the ASHRAE technology portal.
- RP 1824 “Accounting for Barometric Pressure Impacts on Psychrometric Performance Testing of Unitary Air Conditioning and Heat Pump Equipment”:
 - Test facility problems at Montana State University. No testing happened in the fall. Equipment has yet to go to Louisiana State University. Project has been ongoing 6 years. Will request the PI provide an update on the status of all the project objects to the PMS. The PMS will then meet to determine how to proceed.
 - *Motion: To approve a no-cost extension until 7/1/2026, contingent on PI providing plan of action before Austin (1st: ?, 2nd: ?)*
 - *Result: Motion passes (6-0-0-2, CNV)*
- RP 1993 “Mapping of Heat Pump Frosting/Defrosting Performance Degradation for System Modeling”:
 - Approved, but need to define work statement authors and then write the work statement.
- WS **** “Capillary Tube and Short Tube Orifice Performance for Low GWP Refrigerant”:
 - Need cosponsor, Bob Bittle is retiring so they need a new lead author. Could reach out to PTAC manufacturers.
- WS 1969 “Four Way Valve Heat Loss for Cold Climate Heat Pumps”:
 - Missed submission deadline. If voting members changed, will need to revote. Will recirculate to voting members to review prior to voting. Will need a letter ballot.
- RTAR 1980 “Simplified Methods for Calculation of Heating Warm-Up Load”:
 - Voting members were interested but we were unable to get a letter ballot out in time. TC 4.1 did not submit the RTAR.
 - *Motion: To co-sponsor RTAR 1980 with TC 6.3 (1st: C. Kirkwood, 2nd: D. Nutter)*
 - *Result: Motion passes (5-0-3-1, CNV)*
- RTAR **** “Field Measurements of Residential Indoor Humid Air Dynamics to Support Control Verification and Data-Driven Modeling”:
 - Will be distributed to committee members for review and would like a vote in time to submit for the spring RAC meeting. Provide feedback by 2/13/26.
- Mike Brychta has a draft RTAR for SPC 16 associated with calorimeter testing below freezing. Initial step is a literature review and lab interviews for fact finding. A later step would be lab testing with glycol.

TAC Updates

- In Austin, no TC subcommittee meetings will be allowed, must be held virtually.
- No concerns to TC 8.11 from TAC.
- Need to ensure standards references are current for any standards reaffirmations.
- Roster update due March 6.
- Once a year, TCs must reaffirm their own TPS.

Standards Updates

- ASHRAE 37
 - Needed motion to reopen this standard for review. SPC ended at the end of 2024. Need to have SPC exist before SSPC creation can be voted upon.
 - Aim to address revisions (as an SPC) in 12-18 months.
 - After changes, then SSPC creation before SPC.
 - Prior vote was noted, but was not captured. Chris went to the Standards committee to petition.
 - *Motion: To re-open SPC 37 (1st: C. Kirkwood, 2nd: C. Stone)*
 - *Result: Motion passes (7-0-0-2)*
 - Harshad Inamdar to be recommended as Chair.
- ASHRAE 16
 - Need to affirm standard, due to ASHRAE's 10-year deadline.
 - *Motion: To reaffirm ASHRAE Standard 16-2016 (1st: C. Kirkwood, 2nd: C. Stone)*
 - *Result: Motion passes (7-0-0-2)*
- ASHRAE 206
 - TC 6.6 (owns combi-boiler and SPC 124) requested it be reopened, for exploratory purposes: update or abandon.
 - ISO 19967-3 (multi-function) draft received a lot of negative feedback on representativeness and repeatability.
 - Standard 206 is far out of date and was suggested sunseting.
 - Hi-Sense has a product at the AHR Expo that would fit into the 206 framework.
 - CalNEXT has work around this topic.
 - CSA has a test procedure along these lines.
 - One member noted that 206 was reaffirmed in 2024.
 - ASHRAE 206 currently includes the method of rating, which should live elsewhere (e.g. AHRI). ASHRAE should be limited to method of test.
 - Ultimately may not need additional action.
 - Suggestion was made for group to join to discuss appropriate next steps for 206, before Austin, especially considering impact on TPS.

- Harshad Inamdar to facilitate the call for members. Should include Jim Lutz (not a TC 8.11 attendee).
- ASHRAE 41 Series
 - Four 41 standards are being re-opened: 41.5, 41.8, 41.11, and 41.13
 - An expanded uncertainty using the Monte Carlo method is being introduced into one of these. Feedback during public review will inform whether this is pulled into other/all 41 series.

Programs Updates

- Around 170 program proposals were submitted. Only 75 was accepted.
- Three proposals for submission:
 - [Track 2: HVAC&R Systems and Equipment] Accelerating Innovation in Commercial Buildings: Advancing High-Performance Heat Pump Rooftop Units through DOE's Technology Challenge. Chair: Michael Deru. (Removed)
 - [G. Wheeler] Setting the Bar: Performance Specifications and Testing Protocols for Next-Generation RTUs
 - [Sam Patty] Commercial Heat Pump Technology Challenge: Market Needs and Strategic Vision
 - [P. Dhillon] Validating Innovation in the Lab: Approach and Results for Challenge Heat Pump RTUs
 - [M. Deru] Real-World Validation: Field Deployment Strategy for High-Performance Heat Pump RTUs
 - [Research Summit] Research overview of TC8.11; 1733-RP; 1785-RP;
 - Develop a seminar covering the research outcomes from TC.
 - Coordinate with Eric
 - Charge measurements OSU
 - OCR OR in horizontal and vertical lines
 - [Track 3] Air-to-water heat pumps low-GWP in residential buildings [Bruno/Chair]
 - TC6.8 co-sponsorship
 - AHRI 1700 for public review Q1/Q2
- Other discussions:
 - [Bo Shen] Heat pump + energy storage (electrical/thermal), grid-responsive control; A3 heat pump and successful field testing/implementation;
 - [Bruno Honeywell] Air-to-water heat pumps EU / US differences
 - [Khaled Saleh] Seminar proposal on lab operation/testing procedures/comparisons or analyses
 - AHRI Std. 1340 (2029); AHRI Std. 1600 (2029)
 - AHRI Std. 365

- AI and advanced controls in heat pumps
- Grid interactive controls/Smart Grids: communication standard between utilities and HVAC
 - Needs from OEMs
 - Demand-response
 - What to control
- Decarbonization related to mismatch in loads and practical considerations

Handbook Updates

- No major updates to spacing conditioning equipment chapter.
- Plan is to vote on Chapter 1 soon, following a summary of changes.
- Updates to 2027 Chapter sent out via email ahead of this meeting.
- *Motion: To approve changes to 2027 Handbook Chapter 1 (1st: D. Nutter, 2nd: K. McFadden)*
 - *Result: Motion passes (5-0-1-3)*
- Chapters 48 and 49 need someone to lead the effort.
 - Haopeng Liu volunteered.

Website Updates

- Website is current and good.

Low GWP MTG

- MTG will remain in place.
- Six research projects are ongoing.
- Will be considering TPS, potentially to product category rules (PCRs) and environmental product declarations (EPDs).

International Conferences Update

- IEA Heat Pump Conference (400 papers, Mar 26-29 in Vienna, Austria)
- IECR 2027 (Seoul Aug 22 -27, 2027) from IIAR.

New Business

- Peter Luttik: Several equipment manufacturers are creating an IAQ consortium (funded by mechanisms outside ASHRAE), arising from interesting in improvement for education facilities. Peter noted this as invitation for TC 8.11 members to join into the discussion. Members lounge meeting on Wed at noon.

- Robert Glass: On 62.2, Addendum Y PPR around MERV 11 filters. 62.2 withdrew the addendum due to many negative comments arising from application to unintended products.
- In response to direction from TAC:
- *Motion: To reaffirm the TC 8.11 scope (1st: O. Abdelaziz, 2nd: C. Stone)*
 - *Result: Motion passes (6-0-0-2, CNV)*