

**ASHRAE TC 01.08
Mechanical Systems Insulations
Meeting Minutes**

**2026 ASHRAE Winter Meeting
Las Vegas, NV**

**SUBCOMMITTEE
Monday 2/2/26, 8:00am - 12 PM PST
Caesars Palace, Genoa (P)**

One tap mobile: [+1 720-729-0234,,88670527#](tel:+1720729023488670527)
Meeting URL: [Join the meeting now](#)
Meeting ID: 253 349 593 895 85
Passcode: mg2za9Er

**Main Meeting:
Monday 2/2/26, 4:15 - 6:00 PM PST
Caesars Palace, Genoa (P)**

One tap mobile: [+1 720-729-0234,,367099213#](tel:+17207290234367099213)
Meeting URL: [Join the meeting now](#)
Meeting ID: 211 946 903 485 15
Passcode: EE9mV79p

1. Call to order

Heather Sharif

2. Review Scope – H. Sharif reviewed.

TC 1.08 is concerned with the application and performance of thermal and acoustical insulation systems used on pipes, tanks, equipment and ducts.

3. ASHRAE Code of Ethics Commitment – H. Sharif reviewed.

“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 ASHRAE Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

4. Introductions

a. Determination of a quorum

**All
Darrell Peil**

VOTING MEMBERS FOR THIS MEETING (Need (7) or ½+1 for a Quorum)

Heather Sharif (Chair)	6/30/2027
Alec Cusick (Secretary/Research)	6/30/2028
Darrell Peil (Vice Chair)	6/30/2028
Gordon Hart	6/30/2026

Kartik Patel	6/30/2029

Charlie Petty	6/30/2026
Bill Brayman	6/30/2026

5. Agenda additions

All

6. Chair's Report

Heather Sharif

- a. Chair's Goals
 - i. Goal is to get RP1703 done!!
 - ii. Discussion to move day/time of main TC 1.8 meetings for the future:
 - 1. New meeting time: Monday from 9-11 am
- b. Announcements and Highlights from TC Chairs Breakfast Meeting
 - i. Subcommittee meetings will meet virtually before future ASHRAE meetings
 - 1. Subcommittee chairs will need to schedule and conduct their meetings at least two weeks prior to main ASHRAE meeting moving forward. Post details on this meeting in Basecamp calendar.

7. Liaison reports

Liaisons

a) Section Head – Natasha Ferretti (sh1@ashrae.net)

- a. Need to hold discussion/vote to reaffirm TC 1.8
- b. TAC meets on Saturday mornings and Wednesday mornings at ASHRAE meetings

b) RAC – Srinivas Katipamula (Srinivas.Katipamula@pnnl.gov)

- a. No update

8. Approval of minutes from Summer Meeting

Heather Sharif

- a. Darrell Peil (motion), Kartik Patel (second)
- b. Vote passed (5-0-0)

9. Membership/Roster

Darrell Peil

Starting July 1st: (All voting members and/or subcommittee chairs). 7 voting members vs a minimum of 6 per ASHRAE requirements.

Name	Role	Voting
Heather Sharif	Chair	Yes
Darrell Peil	Vice Chair	Yes
Alec Cusick	Secretary/Research Chair	Yes
Kartik Patel	Handbook Chair/Webmaster	Yes
Alan Neely	Program Chair	No

Name	Role	Voting
Charlie Petty	Member	Yes
Bill Brayman	Member	Yes
Gordon Hart	Member	Yes
Art Giesler	Member	No
Eric Dickson	Member	No
Kenneth Locke	Member	No
Bob Reid	Member	No

- Keneth Locke, Bob Reid, Shayne Spence to roll on as voting member in July 2026
- Gordon Hart, Charlie Petty, Bill Brayman to roll off as voting members in July 2026

10. Subcommittee reports

a. Programs

Alan Neely

- i. Link posted in Basecamp
- ii. Proposed programs
 1. Decarbonization Panel Proposal (Annual Meeting Submission)
 - Working Title: Decarbonization Through Future-Proof Insulation: Embodied and Operational Carbon Realities
 - Abstract:
 - i. This panel highlights insulation as a high impact but often overlooked strategy for reducing both embodied and operational carbon. With ~10% of global CO₂ tied to embodied materials and ~40% tied to building energy use, insulation provides immediate, scalable decarbonization benefits—without “moving to Mars.”
 2. AI + Insulation + Data Centers Seminar
 - Working Title: AI Driven Insulation Strategies for Future Proof, High Uptime Data Centers
 - Abstract:
 - i. Artificial Intelligence is accelerating a new era of high density, always on data centers where uptime, thermal resilience, and operational efficiency are non negotiable. As AI workloads surge, mechanical systems face unprecedented thermal and acoustical stress. This seminar explores how advanced insulation systems—combined with AI enabled monitoring, sensor fusion, and predictive analytics—can future proof data center performance.
 - ii. We will demonstrate how insulation selection, vapor management, and low permeance materials directly shape operational carbon, equipment longevity, and real time system stability. By integrating AI diagnostics and digital twins, operators can detect moisture intrusion, prevent failures, and optimize thermal performance before uptime is threatened.
 - iii. Attendees will gain insight into how insulation becomes a foundational technology supporting AI infrastructure, helping facilities scale efficiently, maintain continuous operation, and achieve decarbonized growth in next generation digital environments.
- iii. Programs due for submission by Feb. 25

b. Research

Alec Cusick

- i. Research Chair's breakfast:
 1. ASHRAE currently has 42 active research projects with a total value of about \$7.5 million
 2. ASHRAE Research Budget for 25-26: \$4.012 M
 3. ASHRAE is proposing a mentorship program for writing successful RTAR's, PTAR's, and WS's

4. Due dates for RTAR's and WS forms
 - March 15, May 15, August 15, December 15
 5. Aim is to use Research Portal for ALL RTAR/WS submissions moving forward
- ii. RP 1703
1. Working to finish asap
 - Currently past our last no-cost extension (May 31, 2025)
 - Need to take vote on new no-cost extension date
 - New no cost extension date: June 15, 2026
 2. Final systems of mastic on bare fiberglass are currently being retested
 - R&D Services expects re-tested samples to be done in ~3 weeks
 3. R&D Services is working on an outline for the report to be approved by the PMS this week, to streamline the authoring of the report
 - Report will contain some minimal "discussion" at the end to explain possible reasons for high variability amongst certain samples
 4. Timeline for RP 1703:
 - Feb 9: PMS to receive report outline from R&D Services
 - Feb 27: PMS to respond with any outline revisions
 - Feb 27: Testing of final samples completed by R&D Services
 - April 17: Final report will to be provided to PMS from R&D Services
 - May 31: Final report approved by PMS
 - June 15: New no-cost extension date
- iii. Potential RTAR 1871 - Hygrothermal modeling
1. On hold, pending final report of RP 1703

c. Handbook

Kartik Patel

- i. Handbook is updated in 2025 published version
- ii. Continuing ongoing review of handbook on a regular basis via virtual meetings.
 1. Contact Kartik if interested in joining task force
- iii. Getting monogrammed handbooks from Molly

d. Web site and Basecamp

Kartik Patel

- i. Website is currently up to date
 1. Contact Kartik if you are a sub-committee chair and want something on the website
- ii. Will move to start using the "current meeting" and "prior meeting" folders in Basecamp
- iii. Contact Heather if you need to be added to Basecamp

11. Old Business

- a. Alec Cusick stepping in as Secretary

12. New Business

- Vote to affirm maintaining status as a committee.
 - Alan Neely (motion), Darrell Peil (second)
 - Vote passed (5-0-0)
- Vote to approve no-cost extension of RP 1703 until June 15, 2026.
 - Alec Cusick (motion), Bill Brayman (second)
 - Vote passed (5-0-0)
- Summer meeting: Austin, TX. June 27-July 1
- SPIDA is pursuing erosion testing on miters used in round ducts
 - Information to be posted on Basecamp

13. Adjourn

- a. 5:11pm adjournment