

**ASHRAE TC 9.7**  
**Educational Facilities**  
**Full Committee Agenda**  
**2025 ASHRAE Winter Meeting**

**Saturday 2/8/2025, 1:00 - 3:00 PM EDT**

Location: Hilton Orlando, Conway Lake (Lobby Level)

Meeting Format: In Person

Event Page: <https://events.rdmobile.com/Sessions/Details/2551823>

Remote Access:

<https://us06web.zoom.us/j/83334905707?pwd=7NyEL65Vba2SsYC6cRfQGaj0vk7Cqg.1>

**Meeting ID: 833 3490 5707 Passcode: 050119**

**1. Call to order: 1:01pm**

**Metzger**

**2. Review Scope**

TC 9.7 is concerned with the application of ventilating, air-conditioning, refrigeration, life safety, and energy conservation systems to educational (secondary school, college) facilities.

- See section 11- Old Business

**3. ASHRAE Code of Ethics Commitment**

**Metzger**

"In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all."

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

**4. Introductions**

**All**

**a. Determination of a quorum- quorum established**

**SECRETARY**

*VOTING MEMBERS FOR THIS MEETING (Need (4) or ½+1 for a Quorum)*

Corey Metzger (Chair)	6/30/2025
Itzhak Maor (Handbook)	Never
Bruce Lindsay	6/30/2026
Chris Ruch	6/30/2024
Dexon Kong	
Tom Jacknisky (Research)	6/30/2025

Mark Long (secretary)	
Heather Schopplein	
8 of 8 voting members present	

**5. Agenda additions**

**All**

**6. Chair's Report**

**Metzger**

**a. Chair's Goals**

**i. Welcome to Guests**

**1. Sign in**

- Attendance sheet signed by all in person
- Members online recorded

- ii. TC Scope Review
  - 1. See Section 11- Old Business
- iii. ASHRAE Applications Handbook
  - 1. See Section 11- Old Business
- iv. Long-term Committee Planning
  - 1. Chair: Corey M term is done July 1
    - Catherine T may not be able to fill role as planned
    - Raj S agreed to be the next Chair of the TC
    - Chris R will continue to support Chair
  - 2. Vice Chair: Catherine T to continue to serve as vice-chair
    - Heather to follow Catherine for next term
  - 3. Programs: Catherine T to continue as Chair
    - James Lowry to help with programs
    - Ruben Abrue to help with programs
  - 4. Research: Tom J to continue as Chair
    - Jake Edmondson to help with research
  - 5. Secretary- Mark L to continue as Secretary
  - 6. Handbook- Itzhak M to continue as Chair
    - Corey M to help with Handbook
  - 7. Voting Members
    - Coery M and Tom J to fall off as voting members as of July 1
    - Raj S to be added as a voting member
    - Steven Winstead (?) possible voting interest
    - Catherine T was interested but as Vice Chair is not to be added as a voting member
    - Keith H may be interested as well (will have been non-voting for 1 year)
    - Look for more owners to become voting members
    - An international presence would be good to have in place as voting members
- v. Updates to TC 9.7 Document - Design Guidance for Educational Facilities: Priorities for Advanced Indoor Air Quality
  - 1. See Section 11- Old Business
- b. Announcements and Highlights from TC Chairs Breakfast Meeting
  - c. Being held Sunday, Feb 9th
  - d. Government affairs presentations (GAC)
    - i. Activity around education facilities
  - e. CEBD Working on number of Special Projects, High Priority, for Building Design
    - i. MEP Whole Life Carbon
  - f. Maine department of labor (has authority over teachers in schools). Looking at improvement in IAQ in schools. Looking for expertise and subject matter experts (testimony) to provide traction and support
  - g. GAC is looking for subject matter experts if anyone is willing to put in application

- h. Higher Education may be moving to Small Modular Nuclear Reactors – per Raj S

## 7. Liaison reports

**Liaisons**

- a. TAC Section Head Joy Altwies
- b. Roster update coming (received link Thursday). Will take effect in July
- c. Minimum of 6 voting members required
- i. 7 voting with 2 rolling off (not correct we believe, to be confirmed)
- d. Need to go through roster and update, add CM, etc (fall off after 2 years, need to make CM)
- e. Deadline to be determined (but will be next month or so)
- f. ASHRAE strategic plan up on website
- g. YEA mentoring plan discussed
- h. Trying to automate TC activity forms

8. RAC- Corey and Tom to meet with Conner Conner

## 9. Approval of minutes from 2024 ASHRAE Annual Meeting

**CHAIR**

- Minutes not sent out from last meeting. Will send with meeting from this meeting

## 10. Membership/Roster

**Long**

Starting August 1<sup>st</sup>: (All voting members and/or subcommittee chairs)

Name	Role	Voting	Name	Role	Voting
Corey Metzger	Chair	Yes	Raj Setty		
Catherine Tinkler	Vice Chair	No	Keith Hammelman		
Mark Long	Secretary	Yes	John Gibbemeyer		
Tom Jacknisky	Research Chair	Yes	Bruce Lindsey		Yes
	Standards Chair		Dexon Kong		Yes
Itzhak Maor	Handbook Chair		Heather Schopplein		Yes
Catherine Tinkler	Program Chair	-			
Chris Ruch	Webmaster	Yes			

## 11. Subcommittee reports

- a. Programs Tinkler
- i. Review of submissions/accepted programs for current conference
- Seminar 12: Indoor Environmental Quality in Schools Part 1: Thermal, Visual, Acoustic and Air Quality
    - February 9, 2025, 11:00 AM EST- Hilton Orlando, LL, Orlando VI
    - Technical Committee: 4.10 Indoor Environmental Modeling
    - Co-Sponsoring Committee: 2.1 Physiology and Human Environment
    - Other Sponsoring Committee: TC 9.7 Educational Facilities
  - Seminar 37: Myth Buster: The Ground Heat Exchanger Needs to be Balanced?
    - February 11, 2025, 8:00 AM EST- Hilton Orlando, LL, Orange C
    - Technical Committee: 6.8 Geothermal Heat Pump and Energy Recovery Applications
    - Co-Sponsoring Committee: 9.7 Educational Facilities

- ii. Review tracks and potential programs for next conference

1. Taking application until Feb 26<sup>th</sup>
  2. We should take lead role on a program, as we have only been co-sponsoring past few years. Possible interests:
    - Onsite energy storage- Bruce L
    - Workforce development
    - Early childhood education facilities (beyond Pheonix meeting)
    - VR usage in educational building design
    - Design guidance 3.0
    - UC San Diego Dormitory
  3. Three possible submissions:
    - Keith Hammelman if he has intertest – Healthcare can be adapted to Academics / what is Cannon doing with VR? Can we co-sponsor with TC 7.3 of “Workforce Development” with Sonya Pouncey.
    - Design Guidance of 3.0 –
      - i. Evolution – Corey Metzenger
      - ii. Bill B or Wayne (241 perspective)
      - iii. Guideline 42 (62.1) Brennan / Marla
      - iv. Challenges of grandfathered buildings
    - Other potential topics
      - i. Evan Connell – schools using modular construction methods
      - ii. Heather Schopplein - UC San Diego dormitory (Cx)
    - Hold for next Winter
      - i. Early Childcare Facilities – Panel
        1. 62.1
  - iii. TC 6.9 activity (Bruce L)
    1. Seminar 17: Student Projects to Document the Design, Construction and Operation of Thermal Energy Storage Systems: 1pm Feb 9<sup>th</sup>- Students documenting special projects (related to thermal storage). Can this TC be involved?
    2. USGBC – Thermal Storage (Including Battery)
    3. Big project with U of Michigan- 100% decarbonization. Planned presentation for Las Vegas
  - iv. CIDCO August in Denver
    1. Due 3/31
- b. Research Jacknisky
- i. Review of potential research projects
  - ii. Development of potential RTARs
  - iii. Tom had connection issues and dropped off
  - iv. Corey M- discussions on RTARs with Tom J

- v. Heather- can we partner with students on their research activities? (student research projects) To send more info to group.
- c. Handbook Maor
  - i. Submit revisions in May 2026 (2027 publication)
  - ii. Work is in progress, working through daycare addition
  - iii. In general, all is looking good and on track
  - iv. Committee needs to do more to support handbook and Itzhak
- d. Web site Ruch
  - i. Update- no major updates. Feedback welcome

## 12. Old Business

### a. Discussion on daycare addition.

- i. Consider motion to revise to TC 9.7 Scope to read:
  - 1. Revise the Committee Scope of Technical Committee 9.7 - Educational Facilities, to read: "TC 9.7 is concerned with the application of heating, ventilating, air-conditioning, refrigeration, life safety, and energy conservation systems for educational facilities, including early childhood education through higher education facilities.
  - 2. Motion: Change and confirm scope of TC 9.7 (motion already moved with second)
    - Discussion- Chris supports the motion as the right thing to do (to include early childhood education)
    - Motion vote: 7 of 7 approve– Passed

### b. ASHRAE Applications Handbook

- i. Consider motion to revise Educational Facilities Chapter of the ASHRAE Applications Handbook as follows:
  - 1. Revise the scope of the Educational Facilities Chapter of the ASHRAE Applications Handbook to include Early Childhood Education/Childcare Facilities moving forward.
  - 2. Motion: Add early childhood education to Handbook (motion already moved with second)
    - Discussion- none. Intent to have updated in the next handbook update
    - Motion vote: 7 of 7 approve (Catherine was not present at time of vote) – Passed

### c. Design Guidance for Education Facilities

- i. Consider motion to approve Version 3.0 of the Design Guidance for Education Facilities: Prioritization for Advanced Indoor Air Quality Document
- ii. Have monthly scheduled meetings. Some have been skipped, but 6 or 7 have been held
- iii. Propose to change title to "*Design and Operation Guidance for Education Facilities: Prioritization for Advanced Indoor Air Quality*". No opposition to change (v3.0)
- iv. Corey highlights
  - 1. went through proposed and changes made
  - 2. Will have further discussion on this in targeted meetings on topic

**13. New Business**

**14. Chris Ruch**

- a. Working to get more apprenticeships and instructors involved in ASHRAE. Working with Sheet Metal Union

**15. Adjourn 3:03pm**