



Draft Agenda

ASHRAE TC 4.7 Energy Calculations - Main Meeting

6/24/2025 Phoenix Annual Meeting

4-6:30 PM MST

Hybrid: Sheraton Phoenix Downtown, Maryvale B (Level 2) onsite,

Link below for online

Chair: Hyojin Kim (hyojin.kim@njit.edu)

JOIN MEETING REMOTELY

https://teams.microsoft.com/join/19%3ameeting_ZWU4YmQ5NjUtYTJmOS00Mjc2LWI1NzEtM2VhYjdmNTI2ZmQ1%40thread.v2/0?context=%7b%22Tid%22%3a%220cfca185-25f7-49e3-8ae7-704d5326e285%22%2c%22Oid%22%3a%22f7c57e31-4772-40b2-8487-e1874634f92a%22%7d

[4:00 \[15 min\] Call to Order, Introductions & Welcome to New Attendees \(H. Kim\)](#)

[4:15 \[1 min\] Review Code of Ethics Commitment \(H. Kim\)](#)

[4:16 \[4 min\] Call of Voting Members \(Pruett\)](#)

[4:20 \[5 min\] Approve Agenda & Past Minutes \(H. Kim\)](#)

[4:25 \[5 min\] Announcements/Liaisons \(H. Kim\)](#)

[4:30 \[10 min\] TC 4.7 Title & Scope Update \(H. Kim\)](#)

[4:40 \[2 min\] Basecamp \(H. Kim\)](#)

[4:42 \[5 min\] Membership \(H. Kim\)](#)

[4:47 \[8 min\] Website \(Fine\)](#)

[4:55 \[70 min\] Subcommittee Reports](#)

[4:55 \[15 min\] Standards \(Neymark\)](#)

[5:10 \[10 min\] Honors, Awards, and History \(Muehleisen\)](#)

[5:20 \[5 min\] Handbook \(Baltazar\)](#)

[5:25 \[10 min\] Program \(J. Kim\)](#)

[5:35 \[10 min\] Research \(McDowell\)](#)

[5:45 \[10 min\] Physics-Based Modeling \(Judkoff\)](#)

[5:55 \[10 min\] Data-Driven Modeling \(Sharma\)](#)

[6:05 \[10 min\] Related Activities Reports](#)

[6:15 \[15 min\] New Business](#)

[6:30 Adjourn](#)

[Appendix A: Upcoming Meetings](#)

[Appendix B: Resources](#)

[Appendix C: Future Program Tracks](#)

4:00 [15 min] Call to Order, Introductions & Welcome to New Attendees (H. Kim)

- Hyojin Kim, Chair
- John Pruet, Vice-Chair
- Juan Carlos Baltazar, Secretary
- Juan Carlos Baltazar, Handbook Chair
- Jeannie Kim, Program Chair
- Tim McDowell, Research Chair
- Joel Neymark, Standards Chair
- Jamie Fine, Webmaster
- Ron Judkoff, Physics-Based Modeling (PBM) Subcommittee Chair
- Himanshu Sharma, Data-Driven Modeling (DDM) Subcommittee Chair
- Ralph Muehleisen, Honors, Awards, and History Subcommittee Chair
- Jeannie Kim, Web/Hybrid Meeting Guru

4:15 [1 min] Review Code of Ethics Commitment (H. Kim)

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

4:16 [4 min] Call of Voting Members (Pruett)

Present?	Last	First	Term Ends	Company	Email
	Miller	Clayton	2025	Nat. U. of Singapore	clayton@nus.edu.sg
	Baltazar	Juan Carlos	2028	Texas A&M University	juan-carlosbaltazar@tamu.edu
	DeGraw	Jason	2027	ORNL	jason.degraw@gmail.com
	Fontanini	Anthony	2026	NREL	anthony.fontanini@nrel.gov
	Kim	Hyojin	2026	NJIT	hyojin.kim@njit.edu
	Kim	Jeannie	2027	Argonne National Lab	jihyun.kim@anl.gov
	Neymark	Joel	2028	J. Neymark & Associates	neymarkj@msn.com
	Pruett	John	2026	ZMM	jap@zmm.com
	Taylor	Russell	2028	Carrier	rdt.vma131@gmail.com

4:20 [5 min] Approve Agenda & Past Minutes (H. Kim)

[2025 Orlando Winter Minutes](#)

4:25 [5 min] Announcements/Liaisons (H. Kim)

- Electronic ballot results (April 15 to 18) for the approval of co-sponsorship of the Center of Excellence for Building Decarbonization (CEBD) WS “Whole-Life Carbon Gap Analysis”: Moved by H. Kim, seconded by Neymark, and approved with a vote of 6-0-0-2-CNV (In favor - Against - Abstaining - Not Present).
- Electronic ballot results (May 12 to 14) for the approval of co-sponsorship of the RTAR “Optimizing Abbreviated Weather Year Files for Faster Simulation Time with Minimal Accuracy Loss”: Moved by Baltazar, seconded by Neymark, and approved with a vote of 7-0-0-1-CNV (In favor - Against - Abstaining - Not Present).
- TAC Section 4 (Kyle Gluesenkamp)
- Research (Dennis Landsberg)
- Handbook (Bob McFarlane)

4:30 [10 min] TC 4.7 Title & Scope Update (H. Kim)

- As approved by TC 4.7 at the 2024 Chicago Winter Meeting:
 - Title: TC 4.7 Building Performance Modeling
 - Scope: TC 4.7 identifies, evaluates, develops, and recommends procedures for calculating performance of the built environment, including energy, emissions, and economics.
- Revised scope at the 2024 Indianapolis Annual Meeting (no voting conducted):
 - Scope: TC 4.7 identifies, evaluates, develops, and recommends procedures for calculating energy and environmental performance of the built environment.
- Coordination with TC 7.6 per TAC’s suggestion:
 - TC 7.6 has shared concerns about potential overlap and similar wording.
 - [Outcome from the leadership meeting with TC 7.6 on August 27, 2024]: TC 7.6 will address a potential title/scope change for their TC, and further discussion will be postponed until their deliberations are received.

4:40 [2 min] Basecamp (H. Kim)

All correspondence through [Basecamp](#). Copyrighted materials (e.g., Handbook chapter drafts or committee roster) are posted for member use only. Contact Chair to be added.

4:42 [5 min] Membership (H. Kim)

- Changes in TC 4.7 Leadership
 - Handbook: Baltazar → ??? (July 2025)
 - Web/Hybrid Meeting Guru: Muehleisen → J. Kim
- Voting Members
 - Voting Members:
 - Miller (Non-Quorum) rolling off in June 2025
- Corresponding Membership
 - Attendance sheet has been updated:
 - “Not on Roster”, you have not applied to join the TC (or name on attendance sheet doesn’t align with the roster)
 - If you’ve been attending regularly, and would like to be promoted to CM, indicate on the attendance sheet, or contact the Chair

4:47 [8 min] Website (Fine)

4:55 [70 min] Subcommittee Reports

4:55 [15 min] Standards (Neymark)

- 140: Method of Test for Evaluating Building Performance Simulation Software
- 205: Representation of Performance Data for HVAC&R and Other Facility Equipment
- 209: Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings
- 229P: Protocols for Evaluating Ruleset Application in Building Performance Models
- 232: Common Content and Specifications for Building Data Schemas

5:10 [10 min] Honors, Awards, and History (Muehleisen)

- [Service to ASHRAE Research Award](#): Jeff Haberl renomination
- [George B. Hightower Technical Achievement Award](#)
- [Action Item from 2025 Orlando] Jeff Haberl and Ralph Muehleisen get together for historical papers of the TC 4.7 group.

5:20 [5 min] Handbook (Baltazar)

5:25 [10 min] Program (J. Kim)

5:35 [10 min] Research (McDowell)

5:45 [10 min] Physics-Based Modeling (Judkoff)

5:55 [10 min] Data-Driven Modeling (Sharma)

6:05 [10 min] Related Activities Reports

- TC 4.1: Load Calculation Data and Procedures
- TC 4.2: Climatic Information
- Other TCs?
- Standard 90.1: Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings
- Guideline 14: Measurement of Energy, Demand and Water Savings
- Other Standards/Guidelines?
- MTG.RES (DeGraw)
- [IBPSA-USA](#)
- [IBPSA-World](#)
- [CalBEM](#)
- Modelica North America
- ASHRAE Conference for Integrated Design, Construction & Operations (CIDCO)
- Others?

6:15 [15 min] New Business

6:30 Adjourn

Appendix A: Upcoming Meetings

- Jan. 31 to Feb. 4, 2026 – Las Vegas, NV
- June 27 to July 1, 2026 – Austin, TX
- Jan. 23 to 27, 2027 – Chicago, IL
- June 12 to 16, 2027 – New Orleans, LA

Appendix B: Resources

- ASHRAE's Research Proposal Process:
 - <https://www.ashrae.org/file%20library/technical%20resources/research/ashrae-research-flowchart-r6.pdf>
- ASHRAE Acronym Guide:
 - https://www.ashrae.org/file%20library/about/marketing/final_ashrae-acronyms.pdf
 - Common Acronyms:
 - Research:
 - RTAR: Research Topic Acceptance Request
 - PTAR: Publication Topic Acceptance Request
 - WS: Work Statement
 - RP: Research Project
 - RAC: Research Administration Committee
 - Program:
 - CEC: Conferences and Expositions Committee
 - Standards:
 - SPC: Standard Project Committee
 - SSPC: Standing Standard Project Committee
 - SPLS: Standards Project Liaison Subcommittee (of Standards Committee)
 - MOP: Manual of Procedures
 - SH: Section Head
 - YEA: Young Engineers in ASHRAE
- 4.7 Committee Home Page:
 - <http://tc0407.ashraetcs.org/>
- 4.7 BaseCamp Page:
 - <https://3.basecamp.com/3106353/projects/8174587>

Appendix C: Future Program Tracks

- January 31 to February 4, 2026 – Chicago, IL:
<https://www.ashrae.org/conferences/2026-winter-conference/2026-winter-conference-technical-program>
- Friday, August 1, 2025 | Debate, Panel, Seminar, Forum, Workshop, and Debate Proposals Due

- The Conferences and Expositions Committee requests that proposed program submissions for conference technical programs consider ASHRAE's commitment to Diversity, Equity and Inclusion when selecting speakers for programs.