



ASHRAE Technical Committee 4.1

ASHRAE TC 4.1 Load Calculation Data & Procedures Full Committee Agenda 2021 ASHRAE Summer Meeting Virtual Conference

1. **Call to order** Jingjuan (Dove) Feng

2. **ASHRAE Code of Ethics Commitment** Jingjuan (Dove) Feng
"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>)

3. **Roll call** Rachel Spitler

JingJuan Feng	06/30/2024	Robert Doeffiner	06/30/2023
Rachel Spitler	06/30/2022	Brian Rock	06/30/2024
James Pegues	06/30/2021	Jeff Spitler	06/30/2024
Glenn Friedman	06/30/2023	Larry Sun	06/30/2024
Steven Bruning	06/30/2022	Som Shrestha	06/30/2024

4. **Introductions** All

Sign-in sheet: https://docs.google.com/spreadsheets/d/1fdWZSx_bn6luzzHdH8_wkQlaqFP1O1OPi-PeWJU92Fk/edit?usp=sharing

5. **Review Scope and Vision Statement** Jingjuan (Dove) Feng
Scope: TC 4.1 is concerned with the identification and compilation of engineering data and the development of procedures for calculating heating, cooling, refrigeration and ventilating loads of structures.
Mission Statement (DRAFT): Provide practitioners with dynamic and robust load calculation procedures that serve as the basis for the design of resilient buildings

6. **Agenda additions** All

7. Liaison reports (as they arrive)	Liaisons
a. Section Head	James Bennett
b. Chapter Technology Transfer	Christopher Adams
c. Research	Natascha Milesi Ferretti
d. Handbook	Bass Abushakra, PhD
e. Staff, Research/Tech Services	Steve Hammerling
f. TAC Chairman	Dustin Meredith



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8. Chair's Report

Jingjuan (Dove) Feng

- a. Announcement from TC Chairs Breakfast Meeting
 - i. TC Re-organization update
 - ii. George B Hightower Technical Achievement Award– Next due date Sep 1
 - iii. Functional Group (FG) motions: New form to submit motion to TAC for consideration. Intent to give FGs a method to require TAC response, report ideas, etc.
 - iv. Interim meetings – new announcement procedure
 - v. Decarbonization Task Force is formed
 - vi. ASHRAE strategic plan extend through 2025

9. Approval of minutes from 2021 Virtual Winter Meeting

Jingjuan (Dove) Feng

Approved through email ballot 3/25/21: 10-0-0-0-CV.

10. Subcommittee reports

- a. Research Som Shrestha
 - i. Ongoing research activities
 - ii. New: Co-sponsor TC 6.5 proposal on solar gain impact radiant floor load impact
 - iii. New suggestion on “historical load validation” or “historical load extrapolation” – from Travis English (Kaiser Permanente Director of Engineering)
 - iv. Other suggestion?
- b. Programs Rachel Spitler
 - i. New programs proposed
 - ii. Other suggestion?
- c. Handbook Jim Pegues
 - i. 2025 Handbook update timeline
 - ii. Cool Roof Rating Council recommend adding material
 - iii. Research needs to update handbooks
- d. Standards Glenn Friedman
- e. Web site Jim Pegues

11. Old Business

Jingjuan (Dove) Feng



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12. New Business

Jingjuan (Dove) Feng

- a. Review committee objectives for 2021-2022
- b. Special Publication response to ASHRAE
 - i. Suggestion for response
 - ii. TC 4.7's effort to update HVAC Toolkit publication from 1993, and recommend include load calculations (contact from TC 4.7: Ralph Meuhleisen and Jeff Haberl)

ASHRAE Special Publication	Year Publ	Committee or Project
Updating the ASHRAE/ACCA Residential Heating and Cooling Load Calculation Procedures and Data (RP-1199 Source Code and Data) CD	1996	TC 4.1
Load Calculation Applications Manual, 2ed, SI version	2014	TC 4.1; RP-1616
Load Calculation Applications Manual, 2ed, IP version	2014	TC 4.1; RP-1616
Annotated Guide to Load Calculation Models and Algorithms	1996	TC 4.1, 4.7

13. Adjourn

Jingjuan (Dove) Feng

Meetings

TC 4.1 Load Calculation Data and Procedures

Friday 6/25/2021, 1:00 - 3:00 PM EDT

([Link: https://ashrae-org.zoom.us/j/96593307733?pwd=ZUZEdmw4UDAvbkpWeFBSaVBKk3pDZz09](https://ashrae-org.zoom.us/j/96593307733?pwd=ZUZEdmw4UDAvbkpWeFBSaVBKk3pDZz09)
Meeting ID: 965 9330 7733 Passcode: 265702)

TC 4.1 Subcommittee Meeting:

Tuesday 6/08/2021, 1:00 - 3:00 PM EDT
Virtual meeting

Programs

None



ASHRAE Technical Committee 4.1

Membership/Roster

Starting August 1st: 2022 (All voting members and/or subcommittee chairs)

Name	Role	Voting
JingJuan Feng	Chair	Yes
Rolando Legarreta,	Vice Chair	Yes
Rachel Spitler	Secretary/ Programs Subcommittee Chair	Yes
James Pegues	Webmaster/Handbook Subcommittee Chair/BIM Liaison	No
Glenn Friedman,	Standards Subcommittee Chair	Yes
Som Shrestha	Research Subcommittee Chair	Yes
Steven Bruning,		Yes
Chris Wilkins		Yes
Robert Doeffiner		Yes
Brian Rock		Yes
Larry Sun		Yes