



DRAFT

TC 6.7, 29 June 2026, Austin

Solar and other renewable energies

2:30PM to 4:30PM CDT, Austin TX, USA, Hybrid meeting

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Véronique Delisle (VM), Chair & Handbook SC chair	2020	Marija Todorovic (CM), Standards SC chair	2016	
Ryan Danks (PCM)	2024			Mohamed Abdelrahim
Ganga Sagar (PCM)	2026			Zach Londo
Erin Gaucher-Loksts (CM)	2023			Mac Dombo
Mahla Behrooz (PCM)	2025			Garth Schultz
Costa Kapsis (CM), Research chair	2016			Cynthia Schultz
Yearim Yang (PCM)	2025			Charles Cromer
Stratos Rounis (VM), Secretary	2023			Matt Mullen
Melanie Canfield (PCM)	2024			Josef Marcom
Svein Morner (CM), Webmaster	2005			Eric Berg
Mehrdad Poursadegh (CM), Program chair	2024			Andrew M. Shore
Sudesh Saraf (PCM)	2025			Sayali Lame
Tim Merrigan (VM)	1988			
Balkar Singh (PCM)	2025			
Janice Means (CM)	2005			
Anna-Maria Sigounis (VM), Outreach SC chair	2023			
Costas Balaras (VM), Vice-chair	2006			
Khalid Nagidi (VM)	2011			

DISTRIBUTION: <i>All Members of TC/TG/MTG/TRG plus the following:</i>				
TAC Section Head: Eric Berg			SHx@ashrae.net Where x is the section number	
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)			See ASHRAE email alias list for needed addresses.	
Steve Hammerling, Assistant Manager of Research & Technical Services			AMORTS@ashrae.net	

Note: These draft minutes have not been approved and not the official, approved record until approved by the TC.

List of Attendees

First Name	Surname	Initials
Véronique	Delisle	VD
Ryan	Danks	RD
Ganga	Sagar	GS
Erin	Gaucher-Loksts	EG
Mahla	Behrooz	MB
Costa	Kapsis	CK
Yearim	Yang	YY
Stratos	Rounis	SR
Eric	Berg	EB
Andrew M.	Shore	AMS
Melanie	Canfield	MC
Svein	Morner	SM
Mehrdad	Poursadegh	MP
Sayali	Lame	SL
Sudesh	Saraf	SS
Mohamed	Abdelrahim	MA
Tim	Merrigan	TM
Balkar	Singh	BS
Janice	Means	JM
Anna-Maria	Sigounis	AS
Costas	Balaras	CB
Khalid	Nagidi	KN
Zach	Londo	ZL
Mac	Dombo	MD
Garth	Schultz	GS
Cynthia	Schultz	CS
Charles	Cromer	CC
Matt	Mullen	MM
Josef	Marcom	JM

1. Welcome (V. Delisle)

Meeting was called to order at 14.32 CDT by VD (chair) (15.32 EDT)

2. Review Scope (All)

VD presented the scope of TC 6.7

3. ASHRAE Value Statement (V. Delisle)

VD presented the ASHRAE Value Statement.

4. Roll Call and Introductions (All) (15.34 EDT)

- Roundtable of introductions (Name, affiliation, membership status) - Welcome to first timers in the TC
- Meeting minutes: Stratos Rounis (Secretary, voting)
- Determination of quorum based on voting members (quorum is the larger of 4 or exceeds ½ of the total number voting members, both present and absent)

☒	Véronique Delisle	(June '26)	☒	Khalid Nagidi	(June '28)
☒	Stratos Rounis	(June '28)	☒	Anna Maria Sigounis	(June '28)
☒	Constantinos Balaras	(June '26)			
☒	Svein Morner	(June '29)			

All voting members present, quorum reached. (15.47)

5. Vote on approval of the meeting agenda (V. Delisle)

- There were no comments on the agenda. The motion to approve the agenda was moved by CB and seconded by KN. The agenda was approved unanimously (CNV).

6. Vote on approval of last meeting's minutes

- There were no comments on the last meeting's minutes (TC 6.7, General Meeting, Las Vegas, 02 February 2026). The motion to approve the minutes was moved by CB and seconded by KN. The minutes were approved unanimously (CNV) (15.49)

7. Chair's report (V. Delisle)

- RD and CB partially attended the Chair's breakfast.
- RD reported that there will be a re-evaluation of how conferences will be structured, in order to minimize expenses, complexity, travel cost. The plan is to scale back the annual conference and move gradually to an online format.
- RD further mentioned that ASHRAE is looking for experts to connect with government officials, as well as with ISO and other global groups on standards. RD can send the link.
- CB mentioned the new track for programs involving short individual papers (3-6 pages long) with applied information, focusing on practical guides, best practices, lessons learned. These will be peer reviewed (most probably single reviewer).

Action item:

- RD to send the link for participants interested in connecting with government officials, as well as with ISO and other global groups on standards.

8. Liaison reports

- Research Liaison:
 - New strategic plan is out.
 - There are available funds (~4M) for research proposals (RTAR)
 - Research proposals should now be submitted through the portal.

9. Roster

VD presented the updated roster:

Name	Role	Term in position	Term on committee	Voting
Véronique Delisle	Chair HB SC Chair	07/01/2025 - 06/30/2026	06/16/2020 - 06/30/2026	Yes
Costas Balaras	Vice-chair	07/01/2025 - 06/30/2026	07/01/2006 - 06/30/2026	Yes
Stratos Rounis	Secretary	07/01/2024 - 06/30/2028	01/27/2023 - 06/30/2028	Yes
Costa Kapsis	Research SC chair	07/01/2024 -	08/02/2016 - 06/30/2024	No
Marija Todorovic	Standards SC chair	07/01/2024 -	07/01/2016 - 06/30/2024	No
Anna Maria Sigounis	Membership and Outreach	07/01/2025 -	01/29/2023 - 06/30/2028	Yes ¹
Svein Morner	Webmaster	07/01/2025 - 06/30/2029	07/01/2000 - 06/30/2029	Yes
Khalid Nagidi	Member	07/01/2024 - 06/30/2028	07/01/2011 - 06/30/2028	Yes
Mehrdad Poursadegh	Program SC chair Member	07/01/2025 -	01/22/2024 - 06/30/2025	No

- Changes in positions as of July 1, 2026:
 - Chair: Véronique Delisle will be completing her mandate as the TC chair on June 30, 2026. Costas Balaras will be the new chair as of July 1, 2026.
 - Vice-chair: Ryan Danks will be replacing Costas Balaras
 - Standards SC chair: Costa Kapsis will be replacing Marija Todorovic
 - Research SC chair: Ryan Danks will be replacing Costa Kapsis
 - Webmaster: Melanie Canfield will be replacing Svein Morner
 - Voting members
 - Replacement of Véronique Delisle with Ryan Danks
 - Costas Balaras will remain a voting member as the new chair
 - SR mentioned he would like to step down from the position of secretary. Anyone interested in the position can reach out to chair.

¹ Error on the official roster where this participant is listed as non-voting

10. Standards Subcommittee (C. Kapsis)

- TC 6.7 is not the lead on any active standard (Std 93 2010 and Std 95 1981 have been removed)
- CK mentioned that there will be some new developments on integration of BIPV and electrical storage.
- VD suggested members of the TC to name their involvement on standard development. CK agreed this would be a good idea and volunteered to coordinate a log for said members.
- Update on standard 189.1
 - MC and CB discussed the High performance green building standard and asked for interested members to contribute in terms of research on decarbonization and LCAs.
 - CB volunteered to contribute on both Renewables and LCAs (circularity)
 - CB suggested CK go to the ASHRAE website for 189.1 and look for working group meetings. CK would have to register to get notifications for meetings

Action items:

- CK to start log of members involved in standards development
- MC to ask for more details about how to get involved with respect to the High-performance green building standard
- CK to follow up with CB and/or Melanie for registration details with respect to ASHRAE 189.1 standard
- CK to report back on standard 189.1 whether there is a need for contribution on renewables

11. Web Page Update (S. Morner)

- VD suggested to new chair CB of a new way to work with Basecamp:
 - Use Campfire for communication
 - Chair forwards the automatic confirmation of new PCMs to the webmaster so they can be added to the Basecamp
 - When roster is updated, chair (or webmaster) removes former members from Basecamp
- SM provided updates on the web page:
 - Webinar locations
 - Have been moved to [Functions ->Other Activities](#)
 - Addition of links to the LinkedIn page and YouTube page on the [front page under Additional information](#)
 - Links to LinkedIn and YouTube pages
 - FAQ page
 - VD discussed FAQ page for website
 - SM informed that ASHRAE used to have a FAQ section, with questions delegated to respective TCs. In order to ensure that the

answers are always up-to-date, VD suggested making sure the answers are as timeless as possible.

- A number of people have proposed FAQs to add to the website. It would need to be reviewed. CB will circulate it within the TC to review and comment.
- Review document and identify responsible for additional FAQs

Action items:

- VD to add CB to the webmaster transition meeting with Melanie and SM
- CB to circulate the FAQ proposals for review and comment on Basecamp by Oct 15

12. Handbook Subcommittee report (V. Delisle)

- Chapter in HVAC Applications:
 - All voting members approved the submitted version on April 26
 - Waiting on ASHRAE to send the final version for approval
- Chapter in Systems & Equipment:
 - Current reviewers: Véronique Delisle, Costas Balaras, Caroline Hachem-Vermette, Stratos Rounis, Andrew Shore, Erin Gaucher-Loksts, Raji Khouri, Mahla Behrooz, Mario El Helou, Ryan Danks, Sudesh Saraf, Nick Pederson
 - The following individuals also volunteered during the meeting: Charles Cromer and Garth Schultz
 - Next step: VD will confirm reviewers and clarify expectations by email and plan a meeting early July to coordinate
 - Timeline:
 - June 2026: Finalize reviewers
 - June-Sept 2026: Perform review
 - Oct 2026: HB chair analyze reviewers comments and come up with a list of actions
 - Nov-Dec 2026: Reviewers complete actions
 - Jan-Feb 2027: HB chair finalizes chapter
 - Feb-March 2027: Reviewers and VMs complete final review
 - March-May 2027: HB chair finalizes chapter and approval checklist

Action item:

- VD to follow up with volunteers to commence review process
- VD to plan a meeting with CB, CK and JM to discuss the plan for analyzing what could go in Fundamentals.

11. Program Subcommittee meeting report (M. Poursadegh)

- MP gave an update on the seminar and panel held at Austin. The panel had better attendance and went smoothly. Seminar had some issues with time management.
 - Seminar: Scaling Resilience: From High-Performance Facilities to Community Energy Systems
 - Sunday, June 28, 8:00 AM – 9:00 AM
 - Co-sponsoring committee: 2.10 Resilience and Security
 - Sponsoring Committee: 2.5, COF
 - Panel: Resilience, Affordability and Regulation: The Future of Community Energy Systems
 - Sunday, June 28, 9:45 AM – 10:34 AM
 - Co-sponsoring committee: 2.10 Resilience and Security
 - Sponsoring Committee: COF
- MP presented the 9 tracks for the upcoming Chicago conference. The submission deadline is August 3, 2026.
 - The main interest for TC 6.7 would be Track 8 Decarbonization Retrofits and Track 9 Application Notes in Professional
 - The TC agreed on the trying to submit the following proposals:
 - Seminar A: All RE technologies
 - CK could be a potential speaker and reach out for other speakers
 - Seminar B: Solar system commissioning
 - KN and SM could be potential speakers
 - Seminar C: Retrofitting, electrification, carbon mitigation, renewable integration
 - Potential presenters:
 - CK regarding a school or/and a multi-residential building
 - SM or someone from HGA on a few projects
 - CK to reach out for other presenters
 - AI could also be a potential topic of interest – e.g., AI for design of PV
 - CK does not have such activity, only on the use of AI for surrogate modelling / fault detection diagnostics for heat pumps
- MP presented the two avenues for suggesting tracks in future conferences: mini-track and main track. The TC decided to go with a main track proposal **Climate Literacy and Action**.
- MP presented the submission process for new courses. There is not really an official process for suggesting an eLearning course. Each year, ASHRAE makes decisions about course development based on need, availability of subject matter experts and other factors. Ideas can be sent directly to Jillson Chris.
 - TC members have expressed interest and have proposed several topics/ideas on Basecamp.

- A proposed approach could be to start with short contributions that we feed into a larger thematic session.
- Proposal from CB to develop small sessions on specific topics that can be used and combined to build different programs, e.g., solar resources/data and solar geometry for topics on passive design, PV sizing and solar thermal calculations.
- CB will set up a doodle poll for the interested people to get together and select a champion to coordinate this effort.
- MP presented on the process for new certification. First, a proposal has to be submitted to Tim Kline, certification manager.

Action items:

- MP to coordinate with presenters for putting together the seminar proposals for Chicago.
- MP will reach out to Ragan McHan to propose the main track.
- CB to send a Doodle poll to the people interested in contributing to the course development to select a champion and coordinate efforts.

12. Membership and Outreach subcommittee report (A-M. Sigounis)

- AMS provided an update on the latest webinar with Caroline Hachem-Vermette, the LinkedIn and YouTube pages for TC 6.7.
 - Held on June 10, 2026
 - Title: From Buildings to Energy Communities: Designing Net-Zero and Resilient Neighborhoods
 - 99 people registered; 32 attended
- Upcoming seminars
 - Case studies – Intersection of PV and LCA for October or November (Nick Pederson)
 - Acoustics related to renewable energy (Jessie Roy)

Action item:

- All: Contact AMS if interested in doing a webinar

13. Research Subcommittee report (C. Kapsis)

- RD prompted interested parties with research ideas to reach out to him.
- Update on ASHRAE CEBD – Whole-Life Carbon Gap Analysis co-sponsorship that TC 6.7 is co-sponsoring
 - Gap analysis of existing literature is completed
 - Next steps will be interviewing people
- RD will review Systems and Equipment chapter having in mind that PTARs can be used to fill out gaps or required updates in handbook chapters.

14. Old Business

- No old business (17.35 EDT)

15. New Business

- CB received the Louise and Bill Holladay Distinguished Fellow Award. This annual award is given to an ASHRAE Fellow for continuous preeminence in engineering or research work.

16. Adjournment

- Motion to adjourn moved by CB seconded by RD
- CB thanked VD for her work as chair. He will reach out to her for questions on his role as the new chair.

Meeting adjourned at 16.38 CDT