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**TC/TG/MTG/TRG MINUTES COVER SHEET**

**(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)**

TC/TG/MTG/TRG No. 6.7 DATE June 16, 2020

TC/TG/MTG/TRG TITLE: Solar and Other Renewable Energies  
DATE OF MEETING June 16, 2020 LOCATION Virtual

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Khalid Nagidi, VM	07/01/2018			Yoon Ko
Svein Morner, VM	07/01/2018			Veronique Delisle
Marija Todorovic, VM	07/01/2017			G. D. Mathur
Tim Merrigan, VM	07/01/2016			
Cary Smith, VM	07/01/2016			
Ahmed Elatar, VM	10/26/2017			
Costa Kapsis, VM	07/01/2019			
Gaylen Atkinson, VM	07/01/2019			
Qilong Hong, PCM				
Terry Fletcher, PCM				
Adriana Roath, PCM				
Janice Means, CM				
Costas Balaras, CM				
James Leidel, CM				

**DRAFT MEETING MINUTES**  
**ASHRAE TC 6.7 – Solar and Other Renewable Energies**  
**Summer Meeting – June 16, 2020**  
Virtual Meeting

1. Call to order & Introductions. The meeting was called to order by Chair Khalid Nagidi at 1 pm, June 16th, 2020 and introductions were made. Chair referred members to the ASHRAE code of ethics and Manual of Procedures.

2. Quorum. It was determined that 5 of 6 voting members were present at the beginning of the meeting. A quorum was present.

3. Agenda Review. Chair reviewed the agenda.

4. Approve minutes

a. The minutes from the winter meeting in Orlando, February 4<sup>th</sup>, 2020 were reviewed.

Ahmed shared the attendee list for Orlando meeting

Tim move a motion to add attendee list to the minutes and Svein second the motion

Tim Merrigan moved to accept as written. Svein Morner Seconded.

**VOTE: Orlando minutes were approved (Voted for: 5, Against: 0, Abstain: 0, Absent 0)**

5. Announcements

Roster SY 2020-21. More Info.

b. Option for TC Subcommittee Meetings via Web Conferencing (Zoom)

c. TC Program Subcommittee Chair Training The training will take place on Tuesday, July 7, 2020 1:00 PM - 2:00 PM (EDT). To Join, click the above link. Supported Browser: Google Chrome.

Call in: United States: +1 (571) 317-3129 Access Code: 728-668-701

d. Request for TC 6.07 to review the following publication. More Info.

***Janice: Suggest a temporary sub-committee for reviewing manuals requested by ASHRAE***

***Adriana volunteer to chair publication sub-committee for revising the ASHRAE Solar Heating Operations and Maintenance Manuals.***

***Ahmed volunteered to help***

***Marija and Cary to review***

***Khalid will reply to publication committee to engage Adriana in the revision process and request access to the manual.***

***The manual is 236 pages and more volunteers are needed to edit!***

***Koy suggest to look for ASHRAE publication related to other renewable energy sources***

- Guide for Preparing Active Solar Heating Systems Operation and Maintenance Manuals - Year Published: 1990

e. ASHRAE Basecamp 3: It is a tool that helps teams work together. It provides a dashboard to manage all messaging, document collaboration, scheduling and task management together in one place. Here is an introduction to Basecamp 3. More information on how to log in can be found in here.

## 6. Old Business.

- a. Janice Means suggested during Orlando meeting about combining TC 6.7 with another TC.
- b. Brief Report from Janice Means on TC 2.5 Subcommittee Writing the Climate Change Chapter. Refer to below.
- c. ASHRAE Learning Institute “Solar PV & Thermal Systems Analysis and Design” Course Update – Khalid This short course took place on Thursday, May 07, 2020 03 (1:00 pm – 4:00 pm) – Webinar.

## 7. Subcommittee Reports

- a. Handbook – Marija Todorovic
  - 2021 ASHRAE Handbook-Fundamentals, New Chapter-Climate Change (TC2.5 is leading the writing of this new chapter. Janice Means is representing TC6.7 on this committee. Please refer to her Brief Report below).

### b. Program – Costa Kapsis

- Seminar 62: Micro-Grid Design Considerations: Sizing, Performance, Cost and Code Issues, chaired by James Leidel o Live Q&A Session: Monday, June 29 (10:20 am – 10:40 am).
- Seminar 58: Could Electric Energy Storage Systems Be the Answer for Zero Energy Buildings? chaired by Janice K. Means o Live Q&A Session: Thursday, July 2 (8:40 am – 9:00 am).
- All Technical Programs will be available on-demand, Monday June 22, 2020

### c. Research - James Leidel

RTAR - Solar PV Design Guide for the Building Professional: Including HVAC and Building Interactions.

### d. Standards – Ahmed Elatar (New Role)

### e. Website - Svein Morner

- o Technical FAQ page
  - No update.
- o Material for TC6.7 website
  - Khalid asked the members for any suggestions about new tools (links) to be added to the TC webpage that will add value to TC6.7.
- o Links
  - Khalid presented new links which have been added to our TC web page.
  -

- A LinkedIn page can be setup for the TC by ASHRAE (to be followed).

8. New Business

- None

9. Adjourn.

- Svein moved a motion to adjourn the meeting, Ahmed second the motion.
- Chair adjourned the meeting at 3:30 pm.

Respectfully submitted,  
Ahmed Elatar, TC 6.7 Secretary

## Roster as of June 1, 2019

**Chair:** Svein Morner (VM)

**Vice Chair:** Konstantinos Kapsis (VM)

**Secretary:** Ahmed Elatar

**Handbook Subcommittee Chair:** Marija Todorovic (VM)

**Program Subcommittee Chair:** Konstantinos Kapsis (VM)

**Research Subcommittee Chair:** James Leidel

**Standards Subcommittee Chair:** Ahmed Elatar (VM)

**Webmaster:** Svein Morner

**Other Voting Member (VM):** Gaylen Atkinson

**Members Non-Quorum:** None

**Changes: New provisional CM:** Dr Carsen Banister YEA); Mr Terry Lee Fletcher; Ms Jin Jin Huang; Mrs Enrica Galasso (YEA); Ms Adriana B Roath; Mr William J Roy; Mr Mark Thornbloom; Dr Ka Kui Tse; Dr Qun Zhou (YEA).

**Moving from VM to CM:** Timothy Merrigan; Cary Smith; Khalid Nagidi.

## ASHRAE Publications Committee

Message from Adeeba Mehboob, member of ASHRAE Publications Committee and TAC Section 6 Liaison: The following ASHRAE publication is associated with your TC 6.7: • Guide for Preparing Active Solar Heating Systems Operation and Maintenance Manuals - Year Published: 1990 This email is to request your committee to please review this publication, now almost 30 years old, with respect to: 1. whether it contains up-to-date information in its current state 2. whether it needs to be revised for publication in subsequent editions, 3. whether it needs to be withdrawn from bookstore sales. Attached is a form that may aid you in reviewing this publication.

ASHRAE relies on the expertise of your committee for these decisions and it is requested that you please that report your committee's recommendations to me as soon as possible.

In addition, if your TC is working on any publications that are in progress, can you let me know the name and status of the projects? Alternately any suggestions for new publications are welcome too.

Attached is a copy of the guide on how to publish with ASHRAE Special. Please send all of your review comments to Svein Morner NLT July 17, 2020.

## Brief Report from Janice Means on TC 2.5 Subcommittee Writing the Climate Change Chapter

There has been significant progress made in the writing of the new Climate Change Chapter for the 2021 ASHRAE Fundamentals Handbook. At this point the new chapter has three parts: Climate Change Science, Mitigation and Adaptation. The subcommittee writing this chapter recently decided that it is important that renewable energies be covered and that it is most appropriately covered in the Fundamentals Handbook Energy Resources Chapter. You will recall that TC6.7 had pushed for more extensive content on solar and other renewable energies in the Energy Resources Chapter, so this is a good.