

ASHRAE Technical Committee 6.10

MINUTES January 23, 2018 Chicago, Illinois

1. Call to Order

Chair Cory Weiss called the meeting to order on January 23, 2018, at approximately 3:30 pm. Participants were as follows:

Voting Members Present

Cory Weiss, Chair
Larry R. Brand
Tom Butcher
Craig Grider
Diane Jakobs
William Roy
Paul Sohler
Aykut Yilmaz

Voting Members Not Present

None

Others Present

Michael Beisheim
John Bohan
Craig Butler
Mehdi Doura
Alex Fridlyand
Paul Glanville
David King
Will Kowald
Nicole Lantonio
Dawen Lu
Thomas Neill
Chris Pickens
Jeff Reinders
David Searce
Mark Skierkiewicz
Hall Virgil
Khalid A. Yousef

2. ASHRAE Code of Ethics Commitment

The chair reviewed the ASHRAE Code of Ethics.

3. Introduction of Attendees

Members and guests introduced themselves.

4. Sign-in and Quorum Determination

Attendees were requested to sign in (attached). The quorum requirement was met with 8 of 8 voting members in attendance.

5. Review and approval of the Chicago Agenda

Chair Cory Weiss reviewed the Agenda.

Upon a motion, duly seconded, the committee voted to approve the agenda as distributed.

MOTION PASSED. 7-0-0-1-CNV.

6. Review and approval of the Long Beach Minutes

Upon a motion, duly seconded, the committee voted to approve the Long Beach minutes as distributed.

MOTION PASSED. 7-0-1-0-CV.

7. Liaison Reports

A. Research (Omar Abdelaziz)

Mr. Abdelaziz reviewed several policy changes and reminders. He suggested that for Research Topic Acceptance Requests (RTARs) to be successful, Technical Committees (TC) should vote unanimously to approve and with complete participation, including the chair. The Research Advisory Committee (RAC) has added March 15th as an additional submittal deadline for RTARs that will allow for quicker reviews by RAC. He also suggested consulting with the RAC Section Liaison before submitting the work statement.

In response to a question from a guest about how and when to expand the scope of a project, Mr. Abdelaziz noted that the request should go through the Project Monitoring Subcommittee (PMS) and the TC, especially if it is urgent. If there is a contract scope change and the principal investigator is agreeable to the change without extra cost and it is approved by the PMS, TC, and RAC, it should progress quickly. If it does involve more money, then RAC will require a justification for it.

8. Handbook

Michael Beisheim reported that the subcommittee met yesterday and they are on track to update the handbook chapters as required. Jakobs noted that [the authoring portal](#) is accessible to any member of the cognizant technical committees for those chapters. Chapters 28, 31, and 35 are those of interest to this TC. The chair noted that there will be another Handbook Subcommittee meeting planned for the end of February. Revisions to these chapters must be submitted by the end of April 2019.

Beisheim noted that there is a considerable amount of work to do for Chapter 35, but less so on Chapter 31. The goal is to have all these chapters ready for review by the committee by the 2018 Annual Meeting, then it will begin work on Chapter 28 (Fundamentals).

9. Research

Bill Roy reported on the activities of the Research Subcommittee and the research chairs' meeting. He noted that there was emphasis on completing research disposition forms and encouraging bidders to participate in RTAR and Work Statement development. He also noted that past guidance to keep research under \$100,000 is obsolete, but different approval processes still apply.

The committee reviewed an RTAR for a combustion resonance research project in follow-up to a completed project evaluating those issues in boilers. The subcommittee revised the RTAR based on feedback from the last committee meeting in Long Beach, and it is submitting it to the committee for approval. It was noted that TC 6.6 reviewed the RTAR and approved it for co-sponsorship and will likely participate in development of the Work Statement and in the PMS.

Upon a motion by Jakobs, duly seconded by Butcher, the committee voted to approve the RTAR.

MOTION PASSED. 8-0-0-0-CV.

10. Web Site

Chris Pickens reported that he had issues accessing [the committee website](#) and is continuing to update it. Minutes from past meetings are up to date, as is handbook information.

11. Programs

Butcher noted that there is a Wednesday program on biomass, mainly focusing on the practical issues of installing biomass boilers. There was some discussion at the Programs Subcommittee about a solid oxide fuel cell session in Houston, but it is not likely to happen.

The committee discussed some ideas for Atlanta. Butcher suggested a program about renewable fuels and venting of high efficiency equipment, especially in urban areas. Potential speakers noted were Larry Brand, Cory Weiss, and either Michael Beisheim or Tim McNulty.

Roy noted that TC 2.7 is interested in developing a program for Houston on how to respond to a flood and suggested that interested parties to contact TC 2.7.

12. Standards

Diane Jakobs and Craig Grider reported on several ASHRAE standards activities of interest to the committee:

- A new edition of Standard 103 was published in 2017. TC 6.3 is working on potential research topics that could affect the standard, such as a study on cycling rates based on thermostat demand.
 - Butcher noted that SPC 124 is reconsidering its method of test and assumptions, and suggested that perhaps the research is not required.
 - TC 6.10 expressed an interest in reviewing any RTAR. Butcher suggested compiling a list of issues that could be reviewed under potential research projects.
- SPC 118.1 completed changes to include gas-fired heat pump water heaters. The chair of that committee recently went through the standard's equations and found that several may have errors.

- SPC 155P is about two months away from a public review. It has recently been developing test methods to measure jacket losses with a thermal imaging camera and reviewing the requirements for the idling loss test.
- SPC 124 is working on new methods of test to determine combined appliance performance and meets Tuesday mornings.
- SPC 118.2 is working on fixing the DOE test procedures and is preparing for a second publication public review by the Houston meeting.

13. Membership

Chair Weiss reviewed the current membership roster as follows:

No.	Member	Anniversary Date	Subcommittee
1	Cory Weiss (VM-chr)	7/2017	
2	Tom Butcher (VM-vchr)	7/2015	Program
3	Aykut Yilmaz (VM-sec)	7/2015	
4	Diane Jakobs (VM - stds)	7/2015	Standards
5	William Roy (VM-re)	7/2015	Research
6	Larry Brand (VM)	7/2015	
7	Craig Grider (VM)	7/2015	
8	Paul Sohler (VM)	7/2016	
-	Michael Beisheim (hb)	7/2017	Handbook
-	Chris Pickens (web)	7/2017	Web Master

The committee has 8 voting members, 9 provisional corresponding members, and 31 corresponding members.

13. Old Business

There was no old business.

14. New Business

Historical Committee Papers

Chair Weiss reported that the ASHRAE Historical Committee has issued a call for papers for the society's 125th anniversary. It is seeking papers on advances that happened between the years 1920 and 2000. Abstracts are due March 2018 and papers are due September 2018.

Biomass Boiler Task Group

Mr. Dawen Lu, Section 6 Head, reported that a new task group is being proposed by David Bancroft. Committee members agreed that a separate task group is not necessary but would like to be involved in any such group if it is ultimately formed.

Push for Electrification

The chair opined that the committee should have some response on high efficiency uses for natural gas. A member suggested proposing a program track on renewable fuels.

15. Next Meeting

The committee will meet at the ASHRAE 2018 Annual Conference, June 26, 2018, in Houston, TX. A web meeting may be planned in advance of that meeting.

16. Adjournment

The meeting was adjourned at approximately 5:40 p.m.

Respectfully Submitted,

Aykut Yilmaz
Secretary



Shaping Tomorrow's
Built Environment Today

TC Sign-in Sheet

Meeting Info: TC 6.10 FUELS & COMBUSTION Date: 1/23/18

Name	Affiliation	E-mail	Member (Voting, Corresponding, or Guest?)	YEA Member? (Yes/No)
CORY WEISS	FIELD CONTROLS	CWEISS@FIELDCONTROLS.COM	CHAIR	NO
MICHAEL BEISHHEIM	VENTCOM, LLC	mike@ventcom.com	CM (HANDBOOK CHAIR)	NO
Chris Pickens	BEXANT Corp	chris.pickens@bexant.com	cm (WEBMASTER)	✓
Hall Virgil	retired from Carrier Corp.	hallvirgil@earthlink.net	Guest CM	NO
DIANE JAKOBS	RHEEM	diane.jakobs@rheem.com	VM (STANDARDS)	N
Mark Skierkiewicz	UL	mark.skierkiewicz@ul.com	guest	N
Mehdi Doura	Lochinvar	mdoura@lochinvar.com	VM CM	N
Aykut Yilmaz	AHRI	ayilmaz@ahrinet.org	VM	Y
Larry Brand	Fraunhofer Energy	lbrand@fraunhofer-energy.com	VM	N
THOMAS NEILL	MESTEK	tneill@mestek.com	G CM	N

Name	Affiliation	E-mail	Member (Voting, Corresponding, or Guest?)	YEA Member? (Yes/No)
WILL KOWALD	LENNOX IND.	Will.Kowald@lennoxind.com	PC ? GUEST	N
JEFF REINDERS	PLAINS MECH SOC	jsrplainsboiler@cableone.net	Guest	Y
Alex Fridlyand	Gas Technology Institute	alex.fridlyand@gastechndgy.org	Guest	Y
Craig Grider	Intertek	craig.grider@intertek.com	VM	N
Tom Butcher	Brookhaven	butcher@bnl.gov	VM	N
Paul Sailer	Crown Boiler Co	paul@crownboiler.com	VM	N
Bill Roy	Timco Rubber	broyle@timcorubber.com	VM	N
David King	Carrier	david.r.king@carrier-utc.com	PCM GUEST	Y
Khaled A. Yousef	Pyramid Energy Engineering Services, PLLC	Khaled.A.Yousef@ PyramidEES.com	Guest	N
David Searce	AZ Engineering LLC	AZEngineering@aol.com	PCM	Y

Y

N

Name	Affiliation	E-mail	Member (Voting, Corresponding, or Guest?)	YEA Member? (Yes/No)
John Bohan	Beckett	jbohan@beckettcorp.com	Guest	No
Craig Butler	Beckett	cbutler@beckettcorp.com	Guest	No
Nicole Lantonio	AHRI	nlantonio@ahri.net.org	Guest	No
Dawen Lu	LucSmith	dLu638@gmail.com	Guest	NG
Paul Glanville	GTI	paul.glanville@registerednurses.org	Guest CM	No

Y