

ASHRAE TC 1.10 COMMITTEE MINUTES
Dallas, TX
January 29, 2013

The TC 1.10 meeting was called to order by the Chair, Tim Wagner, at 3:00 PM.

1. Chair Tim Wagner welcomed all members and acknowledged the visitors.
2. Self-introductions were made by all present. TC 1.10 has 8 Voting Members and 1 non-quorum member, of which 5 were present. Hence, a quorum was established.
3. Secretary Annette Dwyer read the TC 1.10 mission statement.

Mission Statement: TC 1.10 is concerned with cogeneration systems, their cycles, and components including heat recovery, energy conversion, and system integration. The systems provide both power (electric and/or shaft) and thermal energy (heating and/or cooling) and are variously known as cogeneration systems; trigeneration systems; combined heat and power (CHP); combined cooling, heating, and power (CCHP); and integrated energy systems (IES).

4. Copies of the draft minutes of the meeting held in San Antonio, TX on June 26, 2012 were distributed to the attendees of the meeting. John Andrepont made motion to approve the minutes of the meeting (after correcting a minor a typing error pointed out by John Andrepont). The motion was seconded by Rich Sweetser and approved unanimously (5, 0, 0).

5. **Subcommittee Reports**

a) **Programs:** Rich Sweetser

No seminar at this meeting (it was rejected)

Denver has a record number of papers submitted – It will be a research oriented meeting.

Rich Sweetser moved that we reciprocally co-sponsor with TC 6.2, TC 6.9 in the track “Hydronic system design for efficiency and large buildings”: There are three (3) Seminars titled “Efficient Technologies That Are Also Economically Sustainable (TC 1.10 will co-sponsor part 1, & part 3) TC 1.10 will sponsor part 2 with the subtitle of “Combined Heat & Power and Complementary Options” (TC’s 6.2 & 6.9 will co-sponsor)

This was approved unanimously (5, 0, 0):

For NYC : Two (2) Seminars titled:

1. Hurricane Sandy vs. CHP
2. Preview of ASHRAE’s new CHP Design Guide

Announcement: Forums or seminars may be held informally during TC’s meeting time and meeting room. This requires no approval from ASHRAE.

b) **Research:** Dragos Paraschiv

Dragos attended the meeting – looking for input from members while they are revising the strategy plans.

- RAC is trying to reduce the work load. Forms are planned to be friendlier.
- Encouraging TC to submit more research projects:

Our Initiatives:

Update the CHP Design Guide:

Lucas Hyman reported that the work is 85% complete. The PMS committee is reviewing the work and are planning to get the full committee vote in June. Asking for a 1 year no cost extension.

Dragos motioned (John Andrepont 2nd) to approve the no cost extension for 1 year thru Jan 2014.

(Voting in favor 4, 0, 1 abstention)

Potential future RTAR for CTIC subcommittee: Add some notes on the CTIC design guide.

c) Handbook:

Chapter 7: Lucas Hyman will be the new chair for the Handbook Committee Chapter 7:

- He went to the Handbook Chair training.
- Birol Kilkis, Marija Todorovic and Tim Wagner are members
- Discussion: Chapter 7 comments on what needs to be changed: John Andrepont suggested that a graph showing the impact of ambient air temperature (4% in CTIC) CHP chapter shows a 10% increase. This should be resolved and John recommends that the 4% be retained and the 10% be corrected. Rich Sweetser has a few references. Make sure the CHP design guide is mentioned as a reference.

Chapter 8 : Dharam Punwani is the new chair for the Handbook Committee Chapter 8:

- On Dharam's behalf, Annette Dwyer presented that the changes to Chapter 8 were approved by the CTIC subcommittee. These will be submitted to the Handbook committee for an interim electronic update. Motion by John Anderpont, seconded by Rich Sweetser.

Motion Passed 5, 0, 0

Handbook Liasion Report by Annette Dwyer: Annette is the new Handbook Liaison for the 2016 Volume of the Systems and Equipment book.

d) Membership: Tim Wagner

Tim asked for parties interested in becoming a corresponding member to give him their ASHRAE number by the end of this meeting.

New corresponding members: Rajesh Dixit, Greg Henderson, Joe Brillhar, Derryl Wright.

f) Web Site: Dragos Paraschiv

Dragos reported that the TC 1.10 website was up to date and that he had created a section for CTIC in the TC 1.10 website. Please contact him with any suggestions for webpage contents.

Also note that the ASHRAE server was compromised and new passwords were issued to webmasters.

g) Honors & Awards: Tim Wagner

Lucas Hyman was personally awarded the George B. Hightower Award by Mr. William McQuade, ASHRAE TAC Chair. The Chairman noted that this is TC1.10's 2nd award out of 4 years and highly congratulated the committee.

Tim Wagner pointed out on behalf of Dharam Punwani that if you update your bio on the ASHRAE website you are eligible to receive service awards.

h) Standards: Mark Davis

SPC 204P, "MOT/Rating Micro Combined Heat and Power Devices," The scope of this standard considers micro CHP systems to 50 kW, as decided by TC 1.10 at the January 2012 meeting in Chicago. The group has reviewed some previous standards and chosen the "ASERTI" lab test protocol.

Right now they are working towards identifying any gaps and should have an outline of the meat of the standard by the June meeting in Denver and after that they will start writing the text.

Chairman's Overview and Report: Tim Wagner

News from the section meeting:

- Presentations on TC's and TAC are available to make to your local ASHRAE chapter.
- Bio format: a new line has been added that needs to be filled in regarding your employment discipline.
- Google calendar is available
- New MTG formed for cold climate design guidelines
- Looking for volunteers for QC for technical programs with TAC
- New registration fee of \$95 for speakers. (member or non-member)
- New ASHRAE terminology wiki has been launched, 7500 definitions and terms are available.

Section Head Victor Penar Report: Victor asked that rosters be submitted before the deadline.

7. Old Business:

- Lucas Hyman's short course on CHP was attended by 30 people - the course went well. This was the advanced course. There were 2 people attending that had taken the previous (more basic) course.
- Lucas also did a presentation in Canada at the request of the Edmonton Chapter. They are also planning to do a webinar in March. He does not know if ASHRAE will offer the course again at future meetings.

8. New Business

- There is a CHP session (Seminar 57) at 8 am tomorrow. All three speakers are from Tokyo, Japan regarding a hospital application.
- IDEA events coming up: Feb 19-22 in San Diego, CA; The 26th Annual Conference, June 2-5, Miami, FL 104th Annual district energy Conference and Trade Show. Call for papers closes Feb 1st. www.districtenergy.org
- August 2012. President Obama penned an executive order that CHP is good and useful.

Adjourn

John Andrepont moved that the meeting be adjourned. Geoff Bares seconded the motion and it was unanimously approved by all present.

Minutes prepared and respectfully submitted by Annette Dwyer, TC 1.10 Secretary