

ASHRAE TC 1.10 COMMITTEE MINUTES
Chicago, IL
January 24, 2012

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

1. Chair Riyaz Papar welcomed all members and acknowledged the visitors.
2. Self-introductions were made by all present. TC 1.10 has 12 Voting Members, including 2 members who resigned before the meeting and 1 non-quorum member, of which 9 were present. Hence, a quorum was established.
3. Secretary Dharam Punwani read the TC 1.10 mission statement.
4. Copies of the draft minutes of the meetings held in Las Vegas (February 1, 2011) and Montreal (June 28, 2011) were distributed to the attendees of the meeting. Rich Sweetser made motions to approve the minutes of both meetings. Both motions were seconded by Lucas Hyman and approved unanimously (9, 0, 0).

5. **Subcommittee Reports**

a) **Programs:** Rich Sweetser

Rich Sweetser moved that the following seminar be proposed to ASHRAE as Priority#1 for the San Antonio meeting. The motion was seconded by Tim Wagner and approved unanimously (9, 0, 0):
“Combined Heat and Power as a Policy Tool to Meet State Mandates to Provide Clean, Reliable Cost Effective Power”

John Andrepont moved that TC1.10 cosponsor with TC 6.9 a seminar on “TES Case Studies” in which one presentation includes CTIC. The motion was seconded by Annette Dwyer and approved unanimously (9, 0, 0).

b) **Research:** Riyaz Paper (for Abdi Zaltash)

i) ASHRAE received three bids for “CHP Design Guide – Update to the Cogeneration Design Guide (1996)”:

Exergy Partners’ proposal was selected as the winning proposal. The Project Management Subcommittee (PMS), headed by Lucas Hyman, received and reviewed the first project report from Exergy Partners.

Dharam Punwani requested from the PMS a copy of the winning proposal and a copy of the first project report it received. Lucas Hyman will provide this information after he gets approval of the ASHRAE Research Committee.

ii) Maria Todorovic presented an RTAR for “Solar-Assisted Geothermal CHP Systems.” In view of some the suggestions received from the TC1.10 members present, she will revise the RTAR. Dragos Paraschiv will send the revised RTAR to Art Giesler (ASHRAE Research Liaison). After his approval Dharam Punwani will send it out for e-ballot from the voting members. If approved, Dragos will submit it to the ASHRAE Research Committee by February 15

iii) Dharam Punwani presented an RTAR for “Developing Methodology for Carbon Emissions Displaced by Combustion Turbine Inlet Cooling (CTIC).” In view of some the suggestions received from the TC1.10 members present, he will revise the RTAR. Dragos Paraschiv will send the revised RTAR to Art Giesler (ASHRAE Research Liaison). After his approval Dharam Punwani will send it out for e-ballot from the voting members. If approved, Dragos will submit it to the ASHRAE Research Committee by February 15

c) **Handbook:** Riyaz Papar (for Louay Chamra) and Annette Dwyer

i) Annette reported that the revised CTIC Chapter (#17) was submitted to the Handbook Liaison, Cindy Callaway, after unanimous e-ballot approval (9,0,0) by the TC voting members.

d) CTIC: Annette Dwyer reported that the CTIC subcommittee met on Monday at 4:40PM and discussed the CTIC RTAR Dharam discussed during the Research Subcommittee.

e) Membership: The roster needs the following updates effective July 1, 2012:

1. Annette Dwyer, Riyaz Papar and Gearoid Foley roll OFF as VM
2. Harold Smith, John Andrepont and Sriram Somasundaram roll ON as VM
3. Louay Chamra resigned as Handbook Subcommittee Chair and Lucas Hyman agreed to chair this subcommittee
4. Jay Jayaraman resigned as Membership Chair. It was agreed to eliminate this position. Therefore, no replacement is needed.
6. Dragos Paraschiv agreed to chair the Research Subcommittee
7. Timothy Wagner will be the incoming Chair of TC 1.10
8. Dharam Punwani will be the incoming Vice Chair of TC1.10
9. Annette Dwyer will be the incoming Secretary of TC1.10

f) Web Site: Dragos Paraschiv, webmaster, reported that the TC 1.10 website was up to date. Please contact him with any suggestions for webpage contents.

g) Honors & Awards: No updates were presented by Tim Wagner

h) Standards: Mark Davis reported that the SPC 204P MOT/Rating Micro Combined Heat and Power Devices met on Tuesday and Wednesday. They plan on holding a conference call on February 16 to discuss new scope, including increasing the definition of capacity for micro CHP devices. After some discussion on defining the capacity limit for micro CHP devices, Rich Sweetser made a motion that PSC 204P should limit the capacity of micro CHP devices to 50 kW. This motion was seconded by Gearoid Foley and was approved (8, 0, 0; Chair Not Voting).

Chairman's Overview and Report

Riyaz Papar briefed the attendees about what he learned from the Meeting of the TC Chairs. An important item that required TC action was to elect TC members who can speak on behalf of TC 1.10 to other selected TCs. Annette Dwyer made motions to elect John Andrepont and Geoff Bares as TC 1.10 liaison for TC 6.2 (District Energy) and TC 6.9 (Thermal Storage), respectively for coordinating support for programs and research. Both motions were seconded by Lucas Hyman and approved unanimously (9, 0, 0).

7. Old Business: None

8. New Business

Lucas Hyman presented the CHP short course. The course was attended by 50 people.

John Andrepont reported that IDEA Conference in Chicago (June 29-July2, 2012) was inviting paper related to CHP and CTIC. He also suggested that TC 1.10 should recommend ASHRAE to consider organizing technical tours of CHP and TES systems, if such systems are available in the cities where ASHRAE plans to organize its conferences.

Adjourn

With no other business to consider, Tim Wagner moved that the meeting be adjourned. Rich Sweetser seconded the motion and it was unanimously approved by all present.

Minutes prepared and respectfully submitted by Dharam Punwani, TC 1.10 Secretary.