



TC 9.07 Chair Itzhak Maor called the meeting to order at 1:00 PM

AGENDA -

Roll call – A membership roster was reviewed and a sign-in sheet was passed around to the attendees. From the membership roster, it was determined a quorum was present with (6) voting members.

Introduction of Members and Guest – all attendees introduced themselves in name, and indicated their professional affiliation and status relative to committee affiliation. Committee members and guest continued to arrive post meeting start with ultimately (18) members and guests were recognized.

Agenda Review – Agenda items was emailed to members prior to meeting and made available to visitors

OLD BUSINESS

Albuquerque TC Meeting Minutes - Electronic version of the minutes was emailed to the committee prior, and paper copies were made available. Hugh McMillan made a motion to waive reading of the minutes and approve the minutes as presented. Approval of minutes passed unanimously by verbal vote, 6-0-0.

Albuquerque TC Meeting Review – Maor only provided a brief discussion on the Albuquerque meeting, with no further discussion from the committee.

LIAISON REPORTS

TAC Section 9 Report –Tom Lawrence made a report from TAC indicating solicitation for K-12 or higher education facilities to request research projects and/or co-sponsor research request with other TC's. Low humidity affects in K-12 schools as a research project was highly encouraged.

Environmental Health – No report

Handbook – Maor indicated the handbook chapter was in publication and the next cycle of review and edit is current, due two years from the current meeting. Maor requested a member to volunteer to assume the responsibility of the Handbook subcommittee chair with his chair responsibilities. No member indicated their assumption of duties at the meeting.

90.1 Update - Maor provided an update of the 90.1-2010 completion and pending publication. The 2010 version achieved 30% additional efficiency over 90.1-2004 version. The 90.1 committee has set a goal of 50% additional energy efficiency over 2004 for the 2013 version. Maor indicated David Handwork will provide future 90.1 reports.

Other TC's (reports) – none



SUBCOMMITTEE REPORTS

Subcommittee Reports and Business Activities

- **Membership Subcommittee Report**

Dawen Lu indicated that (2) of the current voting members will be rolling off the committee and that (2) additional members will be required for the Montreal meeting. The membership list was circulated for accuracy.

Research Subcommittee Report – Carl Huber section liaison addressed the committee that TC 9.7 does not have any current RTAR's.

- **RTAR's and Research project proposals** – RTAR submitted in conjunction with Canadian research investigating the affects of low humidity in K-12 schools (learning and retention). Ron Westbrook provided an update on the slow process of this research project moving within ASHRAE. TC 2.1 will be the primary sponsor of this research.
- **DOAS Research Topic** - Lu suggested a research project be proposed for DOAS systems with and without humidification with affects on educational facilities

Programs – Melvin Glass reported no programs was scheduled for Las Vegas. The deadline for program submission for Montreal is February 14. It was generally agreed by the committee there was not enough time and resources to assemble and submit for approval programs for the Montreal meeting. Glass presented the (6) program tracks for the January 2012 Chicago meeting. There was lengthy discussion on possible ideas for case studies that potentially would apply to at least (3) of the program tracks. Topics discussed with case studies included:

- Geothermal or other Heat Pump applications (case studies) in K-12 and/or Higher Education
- Energy Modeling Challenges of new technologies to apply in K-12 and Higher Education applications
- Retro-Commissioning of existing buildings on Higher Education facilities (case studies)
- Net Zero Energy Schools (NREL case studies of K-12 facilities)

Glass indicated he will assemble and submit at least (3) potential seminars or forums for the Chicago meeting. Sarah Matson indicated meeting themes have been eliminated, replaced by conference tracks. These tracks will finalized 3-4 weeks post the Las Vegas meeting.



John Murphy addressed the committee of the current status on the K-12 Advanced Energy Design Guide (AEDG) in revision for 50% savings over 90.1-2001. The peer review is open and Murphy requested participation of peer review of the 50% AEDG. Several TC members agreed to participate on the peer review. Deadline for peer review will occur in early summer.

Bob Hendron addressed the committee of an AEDG for existing buildings will be coming forward in 2011, with a deadline in early fall. Hendron requested input from the committee since education campuses is a very applicable field for this AEDG. Hendron also solicited any participation from peer review and committee members in an informal manner.

Website and electronic communications – Ron Westbrook addressed the committee on status of the TC website. The Google groups for the TC is still active and committee members are encouraged to utilize this as a communication medium. All official documents relative to TC activities can be forwarded to Westbrook for posting on the ASHRAE TC website.

Frank Mills - Mills addressed the committee soliciting material for publications for international members.

Open discussion – none

Next meeting - The next meeting will be in Montreal, June 2011, the same time and day.

Meeting was adjourned at 2:50 PM, motion made by McMillan, second by Glass, unanimous approval.

END OF MINUTES.