

**TC 7.8 Owning and Operating Costs**  
**ASHRAE Annual Meeting**  
**Houston TX**  
**June 25, 2018**

**Meeting called to order** by Chair at 3:20.

**Attendance** (see list) Keith Reihl (chair) Dave Meredith (VC), Jim Earley, John Gibbemeyer, Matt Mullen, Mark Kutchi, Elizabeth Goll, Mark Miller, Ken Shifflett. Greg Dave Norwell is rolling off (Not Attending) Klas Haglid. (HB sub-committee chair by speaker phone). Chuck (Sec) not attending due to wife's medical issues. Committee sends our thoughts and prayers to Chuck and his wife.

**Quorum check** was approved.

No minutes from the Chicago meeting were available for approval.  
Sunday morning TC Chair Meeting – TC 7.8 Chair did not attend.

**Roster review** – not updated since last Annual Meeting.

**Liaison Reports** – none attending.

**Research Report.** No active projects after 1590. Discussion with incoming Darryl Boyce is trying to get the old program to get APPA to accept ASHRAE data into their database. No research proposals were discussed. KH noted that Richard Rooley is interested in this topic, so maybe the College of Fellows might be able to push it for the committee. Also overlaps with Building EQ process to provide additional data for this project but not interested during last interaction. Maybe it is time to revisit that contact.

**Program** (Matt) – Program proposed for Houston meeting (PACE) was not accepted. Can check with speakers about trying again for Winter Meeting in Atlanta. NZE Buildings – Architect Linda Ritter (CT) wrote book on NZE building on lessons learned from Conception to Operating Costs. Klas Haglid also has experience with Net Zero. Greg Tinkler (Grow House on geo-thermal system) proposed paper for Kansas City. Low Emission/Maintenance/Jason on Phipps Conservancy in Pittsburgh. Best to collaborate (TC 7.3 with Sonya may be possibility) to get programs approved.

**Handbook** (Klas) Draft submitted and accepted. Lots of folks made comments and he thanked them for their input. Klas Haglid commented on Handbook. Voted out at last meeting in Chicago. Comments accepted until fall.

**Website** – needs to be updated. Jim Earley will check into password and search as Webmaster if voting member.

**Standards** – Lifecycle Cost Brochure is only

**Roster update** (on-line) – (6 voting members) Keith Reihl (chair), Dave Meredith (VC), Chuck (Sec ), Jim, David should roll off, Daryl Boyce, Richard Rooley member NV, McKally Martin may have retired. Secretary will send list to all members to determine their interest in remaining on this committee. No YEA members represented on the committee. Matt will sign up as corresponding member.

**New ideas** = APPA Building Facts = HVAC (et al), natural disasters (resiliency), EnergySTAR, LEED, in return contributors get equipment life data, tabulated output of submitted data. Energy consideration ideas. John G. reported on APPA/ASHRAE working group through Dave Handwork (Arkansas State). Dave Norvell (Central Florida Univ) already has data available online

**Action Item**

- (1) Incoming Chair to send email to all TC 7.8 members, corresponding members and provisional corresponding members to probe their interest in remaining on this committee.
- (2) APPA conference is in DC in August. John G will make contact with Dave Handwork for ASHRAE and report back.

**Note to self:** Nance Loworn has retired and would be candidate to be removed.