

Call to order 2:15

Attendance

Quorum **Check** Voting Members =**Dave Meredith, Keith Reihl**, Chuck , Dave Norwell, John Gibbemeyer and Richard Rooley (NV)

Review of minutes from June 2018 meeting in Houston. No vote due to lack of quorum

Roster Review Kevin will do website updates.

Liaison Reports – Matt to MPG EBO= Effective Building Operations 7.3, 7.8 and ?? (Jennifer Reisenback) with Daryl Boyce looking at gaps in training, especially at operator level plus best practices in a seminar. Craig Messmer New Section 7 head. No quorum, no agenda, but we do have minutes from Houston! Needs committee updates and . Chair Breakfast handout. Keith discussed proposed merger of TCs into fewer larger committees. Survey of TCs found too fragmented and siloed, things take too long. ASHRAE is in lean mode, reduce number of TCs (now 110) plus sub committees to 32 working groups (TWGs). Each TC to discuss possible partner TCs. Implemented at the speed of...light. Draft at KC and pass it at Orlando. Being discussed for Feb BoD meeting. Need comments from TC before that (30 days).

Research reports researcher passed away.

Program Matt – nothing submitted for ATL, Greg Tinker reported on Session by 2.2 and 9.8 on Grow house and underground geothermal (issues on construction cost and operating costs. Recreational is different from medical facilities.

Handbook

Website Kieth to get Kevin approved through HQ

Standards

Roster Update Matt and Greg will roll back on as members. Jim Earley is also interested as VM and available.

New Ideas people (consulting engineer) approached Keith about using the data. He noted that the data base on 80 buildings is there but in old format (SQL). But it is public and available for anyone willing to figure it out. Bill Murphy (Section 7 Liaison) project 1590 update. Four years ago, consultant wrote a paper for APPA but requested followup for \$80k did not meet needs of ASHRAE. Received draft, but was not in ASHRAE format. Data Bases are not compatible and ASHRAE does not have inhouse resources to Mike Voughn is supposed to have a copy of it. Catherine T. PEC rep asked about study focus. Matt explained data collected, but Original project 1237 is available. Unsolicited proposal for 1590 went nowhere. Q: if data can be translated, can it be used? Matt: never really saw the data. BM: did PI have project moderating committee? Matt: No, Daryl would give oral reports for him. Bill will work with Matt to find where things are at.

Bill – Copy me on research as champion on RAC and guidance on RTARs, etc. Also, there is a PTAR for proposed publications. Evaluation will go to Publications first on merits, then over to RAC for possible funding.

Action Items

Bill and Matt

APP made it to Pubs. Concept is \$3-5 to download APP and system operator would put their system data through their phone, add photos. APP would respond with equipment remaining life and cost of replacement. All data stored in the cloud. Another concept is to link with Energy Star, or partnering with BEQ.

Q: this is app for ASHRAE to develop. Have we collected any available data yet? Universities have this sort of data. Matt: Need a filter for quality control on typos for reasonable values. How to protect against someone going in an enter bogus data to skew results? PEC: can still get regional data. Q (KR) Is there an APP already out there? Not BOMA or IFMA.

Matt to send Kevin the original 30 pp manual from RP 1237 (July 2007) to be morphed into a phone APP. Keith to work on matching Elevator Speech to talk it up within ASHRAE to PEC as “special project”.

Brainstormed linkages to other TCs

TC 7.8 (owning & operating costs) and matches well with TC 7.3 (O&M) we talked about MTG.EBO (Effective Building Operations). Secondary links and interests are shared with TC 7.7 Testing and Balancing) and TC 7.9 (Commissioning). Some interest in TC 1.4 (Control Theory and Applications). All of the system types represented by the TC9.0 series would be second tier interests, since they are basically our clients. A distant linkage is with the vendors of the equipment data that we trying to collect. We have never been successful in getting them to participate. Send to Craig, Kevin and Keith as DRAFT. Some discussion on IIOT and the difference between equipment “Lifecyce” and equipment “Tech cycle”.

Meeting adjourned at 3:52.