Building EQ Committee  
Web Meeting  
November 13, 2018, 2pm-3:30pm EST

Participants: Bill Klock, Doug Cochrane, Chris Balbach, Esteban Baccini, John Constantinide, Bill Dean, Hugh Crowther, Bruce Hunn, Daniel Redmond
Not available: Hywel Davies, Charles Eley, Dennis Knight
Staff: Alice Yates, Liz Kennedy, Anne Wilson
Guests: Ross Montgomery, Stephen Roth

Principle Motions

Motion 1: John moved and Chris seconded that meeting minutes from the June 24 2018 meeting be approved.  
Vote: Motion was approved by unanimous voice vote (5-0-0, CNV)

New and Open Action Items

November 13, 2018 Web Meeting
- **AI 1: Pratt & Klock** to pursue involvement in ASTM E50 Standard (Building Energy Performance Assessments)
- **AI 2: Bill Klock** to reach out to Corey Metzger regarding the status of the TC 9.7 RTAR that BEQ agreed to cosponsor.
- **AI 3: Baccini, Dean, and Crowther** to develop a SOW for AGBC Portal wish list of changes by December 14 in order to get pricing/timeline from Stephen Roth for changes.

October 10, 2018 Business Development Subcommittee Web Meeting
- **AI 1: Lilas Pratt** to send a list of PAOE points in current SY to Dennis Knight to use to discuss with Darryl Boyce to adjust PAOE points on Building EQ.
- **AI 2: Lilas Pratt and Bill Dean** to create a mailing to chapter presidents, DRCs and RVCs for GAC and CTTC, and student branches highlighting Building EQ PAOE point options.
- **AI 3: Lilas Pratt** to send University Fact sheet to Daniel Redmond and copy him on the University course recap information
- **AI 4: Doug Cochrane** to reach out to Ron Gagnon in regards to communicating with Hydro Quebec about implementing Building EQ.
- **AI 5: Dennis Knight** to look into which member of ExCom was assigned to go to BOMA conference and communicate with them.

June 23, 2018 Business Development Subcommittee Meeting
- **AI 3: All committee members** to identify and customers who are trying to compile energy information and send those leads to Lilas Pratt for additional follow-up (ongoing)
January 21, 2018 Chicago Winter Meeting
- **AI 6: Business Development Subcommittee** to work with ASHRAE Marketing staff to create a campaign targeted at the grassroots member and to create tools for the grassroots members to use with owners (ongoing)
- **AI 7: Pratt** to talk with Brendan Owens for an update on incorporating Building EQ in LEED. (on-going or totally stalled) *(Pratt to work with Klock, Cochrane, and/or Crowther)* *(Constantinide to inquire from internal channels in USGBC)*

June 25, 2017 Long Beach Annual Meeting
- **AI 6: Methodology** to look at how to address Data Centers and using PUEs. **On-hold**

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**Meeting Minutes**

1. Call to Order – **Meeting convened at 2:02pm EST**  Quorum was established (6 of 8)

2. Review of Agenda (Klock)

3. Report from the Chair
   - The BOD met this last weekend and Building EQ is once again getting careful scrutiny by the Board members due to the deficit situation that the Society finds itself for the next several fiscal years.
   - Goals for the committee include getting everyone as a registered user with an account and spread the reach of the program to firmly entrench the traction that has started.

4. Old Business
   a. Approval of minutes – June 24, 2018 web meeting

**Motion 1:** John moved and Chris seconded that meeting minutes from the June 24 2018 meeting be approved.

**Vote:** Motion was approved by unanimous voice vote (5-0-0, CNV)

   b. Review of **Action Items**

   c. Building EQ University Course
      - Future of this effort is somewhat unclear
      - PDC controls this
      - APPA remains interested in this effort

   d. ASTM E50 Standard – Building Energy Performance Assessments
      - ASHRAE’s involvement in this has stalled and needs to be pursued.

   e. Web Portal Updates
      - Laboratory Calculation Methodology – completed and online
      - EEM Description Update – completed and online
      - Narrative Audit Report – completed and online
• French Translation – work is on-going, goal is to complete by year end
• User Tip Email Blasts – The 3rd tip went out on 11/13/18. The newly introduced narrative audit report will be announced in the December tip. (12/11/2018)

f. Web Portal Statistics
• Total Users: 695 (643 at beginning of SY)
• Total Projects: 319 (262 at beginning of SY)
• Approved Projects: 21 (11 at beginning of SY)
• Reports Purchased: 1 ($250) (no change since beginning of SY)
• Paid Credentials: 29 (17 at $15 and 12 at $25 = $555) (27 at beginning of SY)

5. Methodology Subcommittee Report
a. Integration of the Building EQ As Designed rating with Standard 90.1 PRM
• Charles Eley has been working on a possible alternative for the current methodology for the As Designed rating that would sync with the Standard 90.1 Performance Rating Method (PRM). Because PRM has a fixed baseline which correlates well with the In Operation 2003 CBECS baseline.
• One of the advantages of this methodology is that it overcomes the issues of trying to compare to a baseline where the assumptions on the values of the various modeling input values are unknown. The committee doesn’t really know what assumptions were used when determining the EUI values in Standard 100 or in ENERGY STAR. A two model approach overcomes that issue.
• One of the negatives is that the building no longer uses standardized inputs so that it becomes more difficult to compare one building to another on a level playing field (which is one of the advantages to the current As Designed methodology).
• Charles Eley continues to look at how to create a methodology that allows for both of these conditions to co-exist.

b. Building Sync Update
• DOE has provided $15K to improve the ability to import a Building Sync file and use the data. This includes data exchange between Standard 211 files and Building EQ.
• The problem with getting Building Sync operating within Building EQ has been the access to sample files. Stephen now has access to DOE Asset Score and has been able to create multiple sample files and is now able to work on building up the Portal’s ability to import BuildingSync files.

c. Interface with Standard 211
• Building EQ audit reports are up and running on the Building EQ Portal.
• TC 7.6 is updating the PCBEA which will now be a Best Practices supplement to Standard 211 and parts of that will discuss Building EQ and how it interfaces with the Standard.
d. 1771-RP Research Project Update
   - The PI is currently on Task 5 which is the real meat of the project.
   - The methodology for this task has been approved and large scale simulation runs are being run that will start to show relationships that will be of interest to the Building EQ Committee.
   - The project is about one year behind schedule.

e. TC 9.7 – RTAR on building energy performance for university buildings
   - Not sure of the status of this project.
   - Building EQ had voted to co-sponsor the project which would give them representative on the PES/PMS so it may be worth reaching out to TC 9.7 (Corey Metzger) to determine the status of the project.

   a. Grassroots Building Energy Audits
      - The committee is going through the existing PAOE points for Building EQ activity and making recommendations to update those for next SY.
   b. College University Campus Engagement
      - APPA & Carleton University
      - Daniel Redmond is leading this effort and has reported that there is a lot of interest in this area.
   c. Licensee Program Opportunities
      - Consumers Energy, one of two large utilities in Michigan, approached ASRHAE about using Building EQ to help improve the building stock. Meeting set up for tomorrow (11/14) to provide a demo of the tool and to get more information on their needs. Exciting opportunity still in the early stages.
   d. Institutional Customer Updates
      - Hydro-Quebec is ongoing – basically just waiting for the translation to be completed.
      - The capability of the Portal to be translated into other languages could be important to various customers in Canada. Natural Resources Canada is looking at program that might tie into Building EQ, so there is an opportunity to engage with the entire Canadian Government.
      - Orlando Utility commission is pro-ENERGY STAR so efforts to promote Building EQ have not gone will. This is probably not worth pursuing at this time.
      - Miami-Dade County (municipality) is not a priority of the local chapter at this time, so the committee may wish to back-burner this one at this time.
   e. K-12 School Systems
      - Brevard County Schools would like to move their building data from ENERGY STAR to Building EQ. They are going to partner with Florida Institute Technology Student Branch so that students can start working on building profiles for four Brevard County schools as a trial before rolling the program
out to all the schools in the county. This provides opportunities for student learning and internships as well as a low cost way to get data into the Portal.

- This also works well with the Florida requirement that all new and renovated buildings have a building label such as Building EQ.
- This also starts to build up the database in the Portal.

7. New Business
   a. Report from Board Meeting (Dennis Knight)
      - Dennis Knight made a report to the Board on Saturday including all the good things the committee is doing and the recent changes to Energy Star that are opening some new doors for Building EQ.
      - The current Board is in a serious budget cutting mode. The committee will need to be able to make very good case/proposal to the Board in January that outlines a short term and long term vision for Building EQ, when it may, if ever, break even, and what the potential benefits to ASHRAE are for building an in-house database of real building performance - both tangible and non-tangible.
      - For example will the database be able to be licensed to outside organizations and researchers, value to TC's and standards committees, etc.
      - There are a handful of members who are just ready to pull the plug on Building EQ and the committee need to be ready with both a factual and an emotional pitch for why Building EQ should live on and continue to be developed, invested in and marketed.
      - Bill Klock reminded the committee of his goals for this year:
        - All Building EQ committee members to create an account and be able to utilize the Portal
        - Expand the reach of Building EQ such that it would be no longer make sense to cancel/shelve/postpone the program
   
   b. Building EQ Demo in Atlanta
      - A live demo of the Portal is scheduled for Sunday, January 13, 2019, 3pm-4pm
      - The demo will be promoted at the short courses prior on Friday thru Sunday.
      - A large sign will be setup in registration and brochures will be available at the demonstration.
      - The committee should encourage everyone to go
   
   c. Budget Update ([Attachment A])
      - An updated budget showing current status is shown in Attachment A.
      - The budget includes travel for promotion of Building EQ, so money is available to reimburse some of these trips being undertaken to promote the Portal.
      - There is money remaining in the development category and there is also opportunity to move money around between categories.
      - The committee needs to think about what should be pursued for development to make the Portal more development.
      - One suggestion may be the Spanish translation.
8. Items to work on for Atlanta
   a. Argentina Green Building Council (AGBC)
      • The meeting on November 2 with the AGBC went very well. The AGBC is
        interested in looking closer at the Portal. They are also looking at other vendor
        products as well.
      • They are interested in some customization of the Portal including:
        □ Using Argentina EUIs & site/source factors
        □ Developing new graphics with different colors
        □ Specialized graphs/reports in addition to all the standard reports.
      • Esteban Baccini will work with Bill Dean, Hugh Crowther to develop a scope
        of work on what needs to be done so we can get a price from Stephen Roth for
        these changes.

   b. College University Campus Engagement
      • APPA
      • Carleton University
      • University of Central Florida

   b. Other Opportunities
      • Urban Land Institute (ULI)
      • IFMA – there is a whole new leadership on the HQ side of IFMA. Bill Dean will
        be working with Chuck Gulledge to engage with IFMA.
      • BOMA
      • Rocky Mountain Institute (RMI)
      • AIA
      • Society of American Military Engineers (SAME) – John Constantinide will be
        submitting an abstract for presenting to this group in May about Building EQ
        and may also look to present to their energy committee. This is a big
        opportunity for Building EQ.
      • Laboratory Building Assessments (non-campus related)

c. Marketing Ideas for Portal
   • LEED EBOM points
   • Content Additions
   • Videos
   • Training

d. Parking Lot Items
   • Currency Designations ($500)
   • Auto calculation of HDD/CDD ($8000)
   • Energy End Use /Pie Chart Form
   • Adding missing Standard 211 fields
   • Spanish Translation ($8000)
   • Custom Reporting for Database Access
   • Other
9. Upcoming Meetings
   a. January 13, 2019 – 8:30am-11:30am – Atlanta Winter Meeting
   b. January 12, 2019 – 11:00am-12:45pm – Methodology SubC
   c. January 12, 2019 – 1:15pm-3:00pm – Business Development SubC

10. Adjourn – **Meeting Adjourned at 3:30pm EST**
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Updated Nov 12, 2018