



Shaping Tomorrow's  
Built Environment Today

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**ENERGY MANAGEMENT SUBCOMMITTEE**

A Subcommittee of TC 7.6 Building Energy Performance

2018 Annual Conference in Houston

Monday, June 25, 2018

4:15 PM to 5:15 PM (Central Time)

George R. Brown Convention Center (GRBCC), Floor 3, Room 381C

**NOTES**

Attendance

Name	Affiliation	E-mail Address	Status
John Constantinide	Alpha MRC Architects Engineers	john.constantinide@alphamrc.com	CM, YEA
Annie Smith	Ross & Baruzzini	asmith@rossbar.com	VM, YEA
Bruce Hunn	Retired	hunnbuildingenergy@gmail.com	VM
Dennis Landsberg	L&S Energy Services	DLandsberg@ls-energy.com	VM
Jim Kelsey	KW Engineering	kelsey@kw-engineering.com	VM
Gabrielle McMorrow	Architect of the Capitol	gabbiemcmorrow@gmail.com	G, YEA
Steven Carlson	XRG Analysis	carlson@xrganalysis.com	CM
Jospeh Napla	P2S Engineering	Scott.west@hfa-ae.com	G
Kevin Edstrom	Meyers + Engineers	kevin@myersplus.com	G, YEA
Nate Boyd	Hanson	Nateboyd.bsme@gmail.com	VM
Ricson Chude	Southern California Edison	ricson.chude@sce.com	CM
Scott Judson	Noresco	sjudson@noresco.com	PCM
Francisco Gomez	CYPE	Francisco.gomez@cype.com	G
Amanda Webb	University of Cincinnati	Amanda.webb@uc.edu	CM, YEA
Dick Pearson	Pearson Forensic Engineering	dick@pearsonfe.net	CM
Patrick Carpenter	Facility Performance Engineers	facperfeng@comcast.net	VM

- I. Informative Presentation on Free Thermal Loads Software – Francisco Gomez
- II. Old Business - Reports on Attainment of Long-Term Plan Objectives
  - a. Education and Training Material
    - i. Increased Engagement with Other Organizations: APPA, BOMA, and IFMA are specific organizations of interest being pursued.
      - 1. Chris Leake, IFMA Staff, attended the Energy Management Best Practices short course on Saturday to have ASHRAE share energy management presentations with IFMA.
    - ii. Supporting DL Candidates Presenting Energy Management Topics: Interest expressed by Eric Yang
  - b. Conference Programs
    - i. None currently sponsored specific to energy management.
    - ii. Ricson Chude will look into Carbonization reduction seminar session
    - iii. Nate Boyd is working with Dennis Landsberg on Forum topic on Guideline 14 users in order to get feedback and update the guideline

*The Technical Committee does not act for Society.*



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- iv. John Constantinide with TC 7.3 on sponsored/co-sponsored session identifying speakers for 2 topics
    - 1. New Building EQ portal and case studies (Nate Boyd with UCF projects, Ross Montgomery with other projects) – Construction/O&M Track in Atlanta
  - c. HVAC Applications Handbook, Chapter 36: Revisions Completed
    - i. Try to get revisers together to form a seminar session for Kansas City – Fundamentals and Application Track in Kansas City
  - d. Water-Energy Nexus: Collaborate with the TC 2.8 Water-Energy Nexus and Green Guide Subcommittees to formulate research projects that demonstrate stronger links between energy, water, and resource efficiency and conservation.
    - i. See report in [Attachment A](#).
    - ii. Outreach to the subcommittee chairs done by meeting participants, with follow-up by Ricson
    - iii. Victor Rodriguez will try to delve further into his literature search.
  - e. Apply Research to ASHRAE Standards and Documents:
    - i. Waiting for research.
- III. New Business
- a. Ricson Chude announced as incoming Subcommittee Chair.
  - b. Reminder: Subcommittee Basecamp will be primary mode of communication.
- IV. Adjourned at 4:56 pm



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## **ATTACHMENT A**

### **ASHRAE Research Project Summary Recommendations**

On January 23 2018, at the ASHRAE Chicago Meeting, upon review of select completed research projects of relevance to ASHRAE TC 7.6, a subset was identified for further review by a volunteer committee.

The review committee included Victor Rodriguez, Andy Cheung, and Grace Gao of TC 7.6 Building Energy Performance. Following are their final recommendations:

#### **Review of RP-1449**

**Applicable Standard/Guideline:** Standard 90.2

- RP1449 results demonstrated the impact of improved envelopes on indoor relative humidity.
- It is recommended that an informative section be included in Standard 90.2, to reflect improvements in residential new construction building envelope. Update would describe additional methods to reduce indoor relative humidity levels as building envelopes becomes tighter

#### **Review of RP-1651**

**Applicable Standard/Guideline:** Standard 100,105

- RP-1651 provides an in-depth analysis of best practices to improve energy based on feasible near-future technologies (~2030).
- It is recommended that Table 3.6a from 1651-RP, which lists 30 energy efficient measures be incorporated with the informative annex D of Standard 100.

#### **Review of RP-1449**

**Applicable Standard/Guideline:** Standard 105

- RP-1449 did not meet its original objective, to develop standard data-driven metrics, interfaces and dashboards for advanced building operations and management.
- Revised scope focused on highlighting five different scales of information for data analytics and visualization, including Enterprise/Portfolio, Building, System, Equipment and Zone, and Project to meet different stakeholder priorities and interests.
- No updates are recommended at the moment.