

Minutes
TC 7.6 Monitoring and Energy Performance Subcommittee
Las Vegas, NV — Monday, January 31, 2011
Dennis Landsberg, Chair

1. The meeting was attended by 8 members of the TC

Dennis Landsberg	Jim Kelsey	Michael Deru	Steven Carlson
Hashem Akbari	Daniel Choiniere	Dakers Gowans	H. Jay Enck

8 corresponding members of the TC

Ivan Ivanor	Bill Koran	Anthony Hardman
Sooleon Cho	Ish Sud	Don Winston
Mike MacDonald	Reid Hart	

and 20 visitors.

Sean Harleman	Xiufeng Pang	Yan Lu
Neil Leslie	Jeff McClain	Bruce Hunn
Matt Dwyer	Chris Balbach	David Bosworth
Sue Reilly	Tania Ullah	Sherry Hu
Shaogog Wang	Rob Risley	Tom Webster
Lei Wang	David Jump	Ahmad Sleiti
Steve Spontzas	David Eldridge	

2. The agenda is attached for reference to see the detail of the meeting.

3. STANDARDS, Guidelines

- a. Update on Progress with Standard 100 discussed.
- b. Standard 105 update had first meeting in Las Vegas – Title, Purpose and Scope modifications to be completed soon. Issues with defining gross sf for EUI calculation was discussed.
- c. Guideline 14 progress was covered – vote on going out for public comment in about a month.
- d. STD 189.1 is published, experience with the standard discussed – has been adopted by the Army.
- e. Cost effectiveness methods related to STD 90.1 prescriptive options were discussed briefly.

4. PUBLICATIONS

- a. Performance measurement protocols (PMP) now published, *Performance Measurement Protocols for Commercial Buildings*, Price: \$89 (\$75 ASHRAE members). An implementation Guide is under development.
- b. The *business case* Energy Efficiency Guide for Existing Commercial Buildings was published and is available in bookstore
- c. A follow-on *engineering guide* for item b above is going out for 60% public review.
- d. IAQ Guide, Indoor Air Quality Guide Part 1. Measured CO2 readings discussed.
- e. Updated Handbook of Energy Audits should be out by end of year.

5. HANDBOOK — no energy performance issues arose in the Handbook meeting – draft nearing final.

AGENDA

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1. Introductions and introductory comments
2. ASHRAE Standard 100P development issues of interest
 - a. Energy targets
 - b. Methods of compliance
 - c. Going out for public review
 - d. Other ?
3. Publications of interest
 - a. Performance measurement protocols (PMP) now published, *Performance Measurement Protocols for Commercial Buildings*, Price: \$89 (\$75 ASHRAE members)
 - b. ASHRAE technical implementation guide for existing buildings planned
 - c. *Energy Efficiency Guide for Existing Commercial Buildings*, business case guide, Price: \$39 (ASHRAE Members \$29)
 - d. IAQ Guide, *Indoor Air Quality Guide*, Part 1, Summary Guidance, available as free PDF download from ASHRAE bookstore after filling out a form (only about 200 pages, but the detailed guidance is more)
 - e. Other ?
4. ASHRAE Guideline 14 development status
5. Experience with Standard 189.1 anyone? Helpful?
6. Review of ASHRAE Building Energy Quotient [Label (ABEL)] development
 - a. Pilot testing process ongoing — any info from assessors?
 - b. Fact sheet as of 12-3-09 at: <http://www.buildingeq.com/files/BuildingEQfactsheet.pdf>
7. More organizations getting involved in building rating
 - a. Building Energy Rating and Disclosure www.buildingrating.org
 - b. The Institute for Market Transformation
8. Standard 105 PC formed, Chair: Keith Emerson – first meeting in Las Vegas
 - a. Issue circulating in ASHRAE regarding definition of gross sf. Energy Star CBECS, SPC 105, GSA, BOMA, proposed for Green book not consistent.
9. ASHRAE Standard 90.1 cost effectiveness issues remain? – performance targets delayed til 2016.
10. Group discussion of state- and city-level energy performance mandates
11. Climate Change Issues – where is emissions trading going
 - a. Waxman Markey (cap and tax) bill
 - b. Proposed Chicago Climate Exchange
 - c. NYS – quarterly auction – money re-invested in conservation programs
 - d. European Union trading scheme
12. Buildings Performance Institute Europe (BPIE) www.bpie.eu (Brussels) — update:
 - a. centre of expertise on all aspects of energy efficiency and energy performance in European buildings
 - b. European centre for a global Best Practice Network on energy efficiency in buildings
13. The IEA put out a “Policy Pathways” report last November “Energy Performance Certification of Buildings: A policy tool to improve energy efficiency.” I have attached a copy of the report, and you can see the IEA press release with a link to the report at http://iea.org/press/pressdetail.asp?PRESS_REL_ID=401 In the press release, the Executive Director of the IEA said “Governments are missing a great opportunity to save energy in buildings. Energy efficiency can save energy and cut CO2 emissions at very little or no cost, but there remains a lot to be done if governments and industry are to capture these savings. This new Policy Pathway

provides lessons learned from countries with buildings certification programmes”. Energy performance certification is a way to rate the energy efficiency of individual buildings – whether they be residential, commercial or public.”

14. Program:
 - a. Entire track on net zero energy
 - b. Entire track on low energy design
 - c. Seminar 32 Prescriptive Standards Result in Bad Buildings
 - d. Future programs?
15. Other New Business

6. BuildingEQ — progress with the pilot project was discussed. More organizations involved in building rating – Building Energy Rating and Disclosure, USGBC, the Institute for Market Transformation. Canada developing a rating system similar to Energy Star.

7. Group discussion of state and city level energy performance mandates – New York City, California, Washington, D.C., Oregon – residential, British Columbia – carbon tax.

8. Discussion of federal legislation – Waxman Markey Cap and Tax Bill, Proposed Chicago Climate Exchange, NYS quarterly auction, European Union trading scheme..

9. Building Performance Institute – Europe up and running. The IEA put out a policy report last November.

10. PROGRAM — Entire track on Net Zero Energy, Entire track on low energy design, Seminar 32 Prescriptive Standards Result in Bad Buildings.

Proposal for a new programs:

11. There was no new business and were no items requiring a TC vote.