



ZERO ENERGY COMMERCIAL BUILDINGS CONSORTIUM

Codes and Standards

Working Group

Zero Energy Commercial Buildings Consortium (CBC)

Call Notes

July 27, 2010; 11:00-12:00 pm EST

Key Conclusions

- Aleisha -Code Adoption and Compliance & Enforcement
- Dave & Doug-introduction and Development. We'll look for any comments that any wants to provide us.
- Helen Sanders from SAGE-let's get a list of the sections that are being chaired and make that list public.
- Dorene-I lead the Lighting Controls subgroup and we've got some sections that are about codes; see where we can build from one another. Some of the content we end up writing might be more appropriate for your report.
- Ian:-sending paragraph looking at reach code adoption and tradeoffs and energy code vs. green code. I see that could fit in both C&S Development and Adoption portion of the outline. Do we send text or have follow-up call?
- Doug-who wants to submit writtensuggestions? Champions identified - anyone else who wants to participate or submit written suggestions go ahead and send material to Abi.

Next Steps

- The next call is scheduled for Tuesday, August 10, at 11am EST.
- Aleisha will communicate with Ian.
- Abi will send out working group masterlist - Plone.

Meeting Minutes

The call began by reviewing the draft outline and notes from last meeting. We have about a month to craft our section of the general report that will go to DOE. The codes and standards work that we'll be using is largely dependent on the other WGs and their material.

Doug's intern is working on basic language on the basic codes and standards system. We need people to volunteer and take on one or more of these principles; one of the areas that is talked about in the outline: Development, Adoption, Compliance & Enforcement. We need something to turn in at the end of August one way or the other.

One suggestion was that Doug's people will take a crack at the first section. In terms of adoption, compliance, and other things?

- Dave: Adoption is more than just having jurisdictions put in place a code, but it involves training of people: architects, builders, subcontractors, etc. As we found - just putting a system in place doesn't necessarily mean compliance - we need compliance AND enforcement system. We need folks from the design-build community to volunteer.

Ryan's additions to the outline follow below.

Introduction

- 3- a) *As the codes evolve along this continuum, enforcement agencies must at all times have the capability of understanding and enforcing the code. (#8 from [Future of Codes paper](#))* - ALSO Make sure the design and construction personnel have the training to understand and implement the codes. Coordination with the Workforce development group.

Code & Standard Development

- 6 - Codes must recognize the role of building occupants in energy use and accommodate such recognition – Coordinate with Owners & Tenants
- 7 - All construction types and equipment functions should be treated equally relative to overall energy use (taking into account efficiency levels and energy requirements) - Corollary to number 2 in this section.

End parameters for construction types should be the same. A masonry building, wood construction type. Looking at equipment by functions: if your function is to heat a room, whether you use electric, gas, etc, at the end of the day the energy used to perform the same function should be the same.

DOE proposed to ban resistance heating systems - not energy efficient. However resistance energy systems allow for shifting of the peak of heat release(?) DOE withdrew the proposal. Not as easy to treat all the technologies or systems equally.

Recognition of new technologies? In particular as we move forward, the increasing potential use of microgrids in particular and DC power in microgrids might influence the way codes intend to or try to define their objectives. Brian will send a language on this to Doug.

We don't mention energy labeling: in the current draft scope - Should we touch on it in commercial discussion also (already been discussed in residential)? There is a WG in benchmarking and performance assurance. However, if you have interest you should also participate in that discussion as well.

The future of codes? Could it fit under Future of Codes or Enforcement of Codes. I think it fits in under Compliance & Enforcement, number 2. We need to discuss how that would function.

Operational labeling as opposed to asset labeling

- Dave: there's nothing in codes process that inhibits the requirement of labeling. Needs to be mentioned at some stage though.

Jeff: My view, lets step back and think about improving performance in the life of the building and having the performance data available for future asset ratings. We need to make a recommendation to DOE that data needs to be collected.