



Minutes

Annual Energy Performance Subcommittee

Tuesday, November 6, 2007

Under the Technical Committee Block: 2:30 p.m. – 5:30 p.m.

Chair: Tom Culp, Birch Point Consulting, LLC

Vice-Chair: Jim Larsen, Cardinal Glass Industries, Inc.

1. Meeting called to order
2. Recording Secretary appointed (Jessica Ferris)
3. Agenda reviewed and approved as presented
4. Minutes from July 2007 meeting (Denver, CO) approved as presented
5. Reports
 - a. Commercial Buildings AEP Task Group – Tom Culp reporting. Chair will ask M. Bhandari if there is the need to dissolve TG. There are 2 software programs designed to do this: Carli, Inc.'s Software: EFEN and LBNL's Software: COMFEN.
 - b. International activities – reported by Peter Lyons. What's going on in Australia with AEP and also what's going on in ISO 18292 (Calculation procedure). NFRC will post presentation on the NFRC website at the AEP SC.
6. Unfinished Business
 - a. Review progress on NFRC 901 "Guidelines to Estimate Fenestration Annual Energy Performance in Single Family Residences" – Presented by Tom Culp. Have resolved about 90% of the issues through the ballot process but there is one big item left to resolve: operational parameters for the reference house. LBNL says the range of the results is too broad that you can't differentiate anything. LBNL proposed some alternatives to the range and the goal is to capture the variability of the home owner in a way that we can provide useful information to the market place.
 - i. Goal today is to continue discussions on this and define what we want LBNL to do. Options for including variability reviewed. What should we ask LBNL to explore? Discussion:
 1. M. LaFrance suggests using a statistical methodology.
 2. G. Stone suggests getting the mid-point and getting error bar. For next time issue at least specific house piece (separate document from reference house)
 3. S. Selkowitz – should go back to figuring out how are people really going to use this and then can work back to how we're going to do this.
 4. C. Curcija – variability issue is a fallacy. There really is no concern about variability. We need to come up with one typical condition for calculating AEP, and using that as the basis for a rating instead of NFRC U-factor, SHGC, and VT.
 5. S. Selkowitz – should look to narrow the range. Should we go out and ask consumers what they want? Might make sense to revisit what the

6. public wants or needs. Peter's group has done something similar to what we're trying to do.
7. Tracy Gramlick – Specifiers wanted numbers and consumers wanted stars so we separated the rating out.
 - ii. It was decided that we will ballot the procedure for the specific home, including a placeholder for the reference home, which can be added later when ready. G. Stone, J. Larsen will assist the Chair to prepare the ballot.
 - iii. Chair will work with LBNL to explore the “bell” curve calculation for alternative methods for calculating and reporting variability in NFRC 901. If the analysis is completed in time and shows it is feasible, prepare a ballot for the reference home procedure for the next meeting (separate from the specific home ballot).
7. New Business - None
8. Adjourned @ 4:51 PM