



ZERO ENERGY COMMERCIAL BUILDINGS CONSORTIUM

Process, IT, and Miscellaneous Equipment Working Group

Zero Energy Commercial Buildings Consortium (CBC)

Call Notes

July 9, 2010; 2:00-3:00 pm EST

Participants

Michael Benhoff: Eco Inside
Rich Brown: LBNL
Ratcharit Ponoum: TIAX

Brad Holloman: ASERTTI
Gregg Hardy: Ecos Consulting
Jeff Harris: ASE

Key Conclusions

- July 30th- Draft inputs due
- First week of August-Review draft due
- End of August-Submit final draft

Next Steps

- RP: Email automation report to Gregg and Rich and check on status of DC microgrid reports (covered dry transformers)
- RP: Verify if dist. transformers are non-building MELs
- GH: Add page numbers
- TBD: Add target to 40 year vision
- RB: Take a stab at cooking vision
- GH: Add transformers as fourth major MEL category
- GH: Follow-up on electronics
- RB: Follow-up on refrigeration with Christopher Levy and cooking

Meeting Minutes

- RB: quantitative target in order to reach NZ, e.g. a third
- RP: tentatively thinking of doing scope and automation and DC microgrid
- RP: new MEL automation (released) and DC microgrid reports
- RP: Figure 4 transformers are building MELs

Additional Comments

- Portable fans/lighting compensates for poor central system performance
 - Improve central building performance, providing more local control
- Keep behavioral elements for now
- Affect how many devices (central services, multifunction devices), hours used, efficiency, power management
- Abstract to categories and give examples
- Audiences: DOE is developing a technology roadmap, DOE staff and labs, and team members
- Building transformers (9 TWh, see Table 7)