

Meeting Notes  
Buildings Work Group #1  
September 21, 1:30  
City-County Building Rm. 662

Attendees:

- Madeleine Weil, City
- Patrick Hughs, ORNL
- Pat Mulligan, QE<sup>2</sup>
- Anne Wallace, MPC
- Tim Dimick, SAC
- David Reister, Sierra Club
- Randy Gentry, UT
- Jeff Galyon, PBA
- Tom Irwin, KUB
- Susan Edwards, KUB
- Ginna French, TVA

Discussion of scope: The Energy Services RFP work group is addressing city government buildings (existing), but this group should look at ideas for future government buildings as well as new and existing non-government buildings (residential, commercial, industrial). Sprawl and building density issues create possible overlap with Transportation and Land Use work group.

Discussion of process: The work group will develop and evaluate measures to recommend to the task force. Members will bring ideas to the table and evaluate them according to consistent criteria. A template for each evaluation will include:

- Description of the opportunity
- Program design
- Costs and benefits (consumption, \$, emissions, other)
- Implementation
- Case studies from other cities (if applicable)

Brainstorm ideas:

- Knoxville is going to adopt new energy code (2006 IEC) at the end of this year. Code will apply to all buildings in the city as well as city facilities in the county. Need to take a look at code components and enforcement.
- Develop tools for evaluating life-cycle costs of efficiency improvements, high efficiency components that may be more expensive up front, but save money longer term. Right now, policies get in the way of high-efficiency equipment because of higher capital costs.
- Create incentives, financial instruments, tools and resources for helping home owners, building owners improve energy efficiency.
- Help educate/disseminate info about energy services performance contractors – consumer protection.
- New federal energy bill currently in conference contains menu of ideas we could consider.
- Integrated resource planning in utility industry.
- EPA Energy Star is very useful program. Terry Sharp from ORNL developed Energy Star metrics.

- Additional consumer education needs: common sense advice for community and developers regarding site selection, building orientation, etc.
- Chicago's green permit program expedites permits, waives fees for green buildings.
- Cambridge, MA serves as aggregator for energy efficiency purchases for community – benefits from bulk purchasing.
- Home energy audit program that people could implement themselves. HUD trains community action groups in this.
- KUB-TVA have online home energy audit tool.
- TVA about to roll-out demand side management program – time-of-use rates. TVA had 12 peak usage periods this summer. If rates do not rise, there is no incentive to reduce consumption in TVA service area.
- Incentives for efficiency in 2005 EPACT, will expire in 12/06 unless extended. Extension is included in new energy bill, currently in conference.
- New Hardin Valley High School integrates many efficiency components. PBA saved \$ with rebates from EPACT. Oak Ridge high school high-efficiency building.
- Better metering, more information on utility bills would provide consumers with the info they need to reduce consumption.
- Is it on the table to discuss KUB's rate structure, how this could be altered to encourage efficiency? KUB says that conversation could be instructive. KUB's rate is largely dependent on TVA's rate.
- TVA energy growth credit available for new construction, if over 100 kwh and heated with electricity. Also demand reduction credits, Energy Right program.

Next Steps:

- KUB and TVA will assemble list of existing programs & resources.
- City will develop template for strawman strategies.
- City will develop taxonomy of best practices to start assembling best practices document, with help from work group member.

Next Meeting: October 5, 1:30, Rm. 662 City-County Building