

ENVIRONMENTAL QUALITY ADVISORY BOARD

August 5, 2010

7:00 PM

Regular Meeting

Municipal Building, Training Room

AGENDA

- A. Call to Order
 - 1. Introduction of EQAB members and recognition of visitors
 - 2. Recognition of Recording Secretary:
 - 3. Amendments to the Agenda
 - 4. Announcements
- B. Approval of Minutes from Regular Meeting Held June 3, 2010 (No Minutes are available from July 1 meeting due to lack of quorum; notes on July 1 work session are available from Robert Kennedy)
- C. Action Items Update (Joe Wood)
- D. Presentations: Deep Retrofit Project, Jeff Christian (ORNL) and Caitlin Wood (UT/ORNL)
- E. High School Representatives (Austin Morgan)
- F. Report on DOE-related matters (from EQAB Regulatory Oversight Committee and DOE representative David Page)
- G. Communications
- H. City Staff (Athanasia Senecal)
 - 1. Rain Garden Webinar
- I. Planning Commission (Chuck Agle)
- J. Special Projects
 - 1. Sustainability (Green) Initiative
 - a) Approval of Draft Climate Action Plan: Next Steps
 - 1. EQAB approval
 - 2. Presentation to Senior Staff (City Manager and Department Heads)
 - 3. Presentation to Public
 - 4. Presentation to City Council
 - b) New Projects (Life after the Climate Action Plan?)
 - 2. Outdoor Burning (Temporarily Suspended)
 - 3. Secret City Festival Debrief

- K. Reports on External Organizations
 - 1. Local Oversight Committee/Citizens Advisory Panel
 - 2. Keep Anderson County Beautiful
 - 3. Other Projects

- L. Unfinished Business
 - 1.

- M. New Business
 - 1.

- N. Adjournment

EQAB Work Session Schedule:

TBD

Noteworthy Public Meetings/Events

cc: City Manager
City Clerk
Amy Fitzgerald
Athanasia Senecal
Laura Davis, Fire Dept.
Steve Byrd, City Engineer
Oak Ridger
News-Sentinel
Oak Ridge Observer

Deep Retrofit Housing Project

Oak Ridge National Laboratory - Energy and Transportation Science Division
Jeff Christian, Building Technology Integration Center

- Project Outline
 - 10 houses selected in East Tennessee (Knox, Oak Ridge, Farragut, Kingston areas)
 - The team has performed a HERS evaluation to determine a 'Pre' Retrofit assessment of each of the houses as they exist now
 - Recommendations will be made on each to improve energy efficiency. It is then the homeowner's responsibility to decide which things to upgrade/ add and assume most if not all of the cost.
 - Example: making the houses more air-tight by weatherizing the attic, crawl space and windows; save on heating/ cooling costs and electric bills by upgrading heating and cooling units, water heaters, appliances and lighting, maybe even installing solar panels.
 - Goal is to finish analyzes, make improvements, and install monitoring sensors by heating season (Winter 2010)
 - Each house will then be monitored for at least the following year through sensors installed by the team
 - A 'Post' Retrofit analysis will be done in a similar fashion and comparisons will be made.

- Community Involvement
 - Targets to benefit from research
 - TVA's retrofit/ educational programs
 - Communities in the region
 - More Homeowners in general
 - Makes use of TVA home inspection, Energy Right incentives
 - Will track progress of energy efficient technologies' performance over the course of one year on a public website, showing the energy savings percentage (expected to be between 30- 40%)
 - Will compare to research houses in Campbell Creek
 - Generate public interest and general education with the technologies placed and observed
 - Makes a set of case studies for the public to use as a resource to do a Retrofit of their own houses.
 - Progress updates and results included on City/ County websites?
 - Influence new construction to include more energy efficient technologies in the region