

Institute for Sustainable Energy
Board of Advisors
Draft

Advisory Board Meeting: March 7, 2011

Members Present:

Arthur Diedrick, Chair
Shirley Bergert, Public Benefits Taskforce Director, CT Legal Services
Dana Kubachka, Dept. of Public Utility Control
Rich Steeves, Office of Consumer Council and Chair, ECMB
Bob Wall, Director, Energy Market Initiatives, Connecticut Clean Energy Fund

Staff: William Leahy, Director, ISE

Laura Worthington, ISE

The meeting was called to order by Arthur Diedrick at 10.05am. A motion was made to accept the minutes of December 6, 2010 meeting by Arthur Diedrick. Motion seconded by Rich Steeves. Accepted.

New Business

- a. **2011 Revised Work Plan** – ISE has revised its work plan to reflect its role in delivering Code Training for the Trades and expanding its Energy Management Course offerings. This includes a summary of ISE's role based on orders made in DPUC Docket 10-10-03. Based on findings of the K12 School Course evaluation there were significant savings recorded for the eight school systems involved. The DPUC is now requested that ISE expand the number of school systems taking the course offering 6 possible sections, as well as increasing class size to 25 and bringing in additional instructors to reach more communities. The instructors chosen will be Certified Energy Managers (CEM's) and will most likely also have a Masters degree. The instructors will be hired through Eastern Connecticut State University as adjunct faculty to teach these non-credit courses.

The DPUC would also like to quantify results to account for savings on a specific basis. ISE is working with a consultant from the ECMB to quantify energy savings. In the future effort to quantify energy and monetary savings as a result of the K12 course will include follow up sessions and pre and post questionnaires to identify energy saving changes having attended the course. The order also includes ISE offering a similar course but for other Municipal buildings. ISE will begin re-writing the curriculum for this are over the summer and plans to begin offering sections in fall 2011.

Included within the order is ISE's assistance to healthcare facilities for energy management. Bill suggested this area would be more complicated and ISE would be better to focus on assisted living facilities and other outpatient care facilities rather than critical care hospitals. ISE is looking at developing course content which could be delivered in the summer of 2012 with the help from utilities and the hospital association. Shirley suggested working with the Department of Social Services and Title 19 Medicaid and pointed out many doctor's offices are run by conglomerates, and federally qualified facilities would be very interested in our assistance.

- b. 2011 Revised Budget** - Shown in revised budget sheet which will be submitted by March 30th. ISE has reduced its budget request for the CTHSS curriculum due to uncertainty caused by the state budget problems. We are working with CTHSS on developing curriculum in HVAC and the construction trades. The Department of Public Utility Control has requested that code training be extended to train builders as well as code inspectors.
- c. Response to DPUC Docket 10-10-03** – Code Inspector training will be available through regional building associates and utility collaboration to prepare for 2013 changes to code. Software tools to track energy use include, Energy Expert and MT&R which would allow building managers to manage buildings more efficiently. Utilization of these software tools will cost more money, but would allow deep savings.

By the end of March, ISE's new work plan will be submitted to the ECMB with changes in Italics. Under state policy ISE will support legislation and provide guidelines for the use of performance contracting using funds for deep savings. Rich Steeves agreed with this and stated that we need to get to total savings and get recognition for these savings, which requires a change in the legislation. Most of the changes in response to the docket occurred under the 'Energy Management Training' section of the Work Plan.

- d. K12 School Energy Management Course** – Rich Steeves asked if we were applying for appropriate funding and suggested increasing this section of the budget which currently only asks for \$30,000. Bill said this question will be raised with the ECMB. The continuation of the K12 Energy Management course has been covered in section a. 2011 Revised Work Plan above.
- e. Building Code Survey and Training** – ISE is co-sponsoring the Connecticut Design and Trades Conference this year which is being held at Naugatuck Valley Community College. This year's conference address will address Green Building Design and Construction. The Keynote address will be made by Steven Winter, from Steven Winter Associates which will be followed by breakout sessions addressing new technologies. ISE is one of the three major sponsors.

This summer ISE will provide code training in 15 half day sessions taught in the trade schools as a result of ARRA \$92,000 grant for geothermal, solar PV and in the fall ISE will offer Rescheck and Commcheck training for building inspectors.

- f. CT Energy Education/ Keep CT Cool!** – On January 26th a workshop was held at Mystic Aquarium for this year's Keep CT Cool contestants. A second workshop to help teams in putting the final touches on their projects and presenting them is being held on March 26th at the Connecticut Science Center. Judging on three levels will occur in the final week of June at Eastern Connecticut State University. Ask for judges will be coming out soon.
- g. Green Jobs Activities** – Bill and Laura Worthington are going to Saratoga Springs NY for the Interstate Renewable Energy Conference (IREC) to speak about Green Jobs training. Usually about 800 people attend this conference. So far the Green-up Bridgeport program has graduated 330 participants and has another 190 to go. Community

organizations are used to select participants who want green jobs, these people are then screened, and put through orientation, before being enrolled into credential training in their field of choice. Once participants have completed the four course sections they have accumulated a lot of information and can develop a portfolio. They are then enrolled in OSHA 30 and Hazwoper, Lead Abatement, and Asbestos training.

Bridgeport has a significant opportunity with the closure of General Electric in which the deconstruction of their campus will lead to many jobs in the areas of deconstruction such as materials recycling and brownfield remediation. These jobs created can last for 3-5 years and an agreement exists stating that workers will be ordered from the workplace which includes participants of Green-up Bridgeport to perform this work. There will be a lot of remediation needed before the site can be developed again, and so there are also opportunities to develop building recycling process jobs. There is no final plan set at the moment.

- h. Green-up Bridgeport – ARRA Pathways From Poverty** – Green-up Bridgeport funding ends in March 2012, however there is a good chance that the program will be expanded as it is a good model program. The program elements were designed to be replicable in other cities and states, and currently Hartford’s Workforce Investment Boards seem aggressive in implementing this type of program.
- i. Other** – Legislative review bill for ongoing green jobs taskforce workforce development partnership. Goes beyond just energy and focuses also on brownfield recovery, water efficiency etc. Bill suggested that the climate in Hartford looks like it should pass.

One bill currently being proposed aims to encourage the use of performance contracting as a way to leverage funds. In the state of MA performance contracting is the primary tool schools, housing authorities and state buildings use to upgrade or construct new buildings.

Windham High school was awarded a 7.1 million dollar project which they used to install solar panels, a new roof and they have a 10 year service contract. ISE had originally identified problems with the school and as a result they now save \$300,000 per year. Shirley asked if ISE could take on the role of assessing this process, however, Bill fears high utility overheads.

Next Meeting

Planned for April 4 2011

Motion was made by Arthur Diedrick to adjourn. Motion seconded by Rich Steeves. Motion carried.

The meeting was adjourned at 11.35am.

Respectfully submitted,
Laura Worthington
Acting Secretary