

## Project 09-173

# Reducing Carbon Dioxide through Residential Energy Efficient Practices

### Project Legend:

The UNL Board of Regents has proposed this educational project addressing energy efficient practices to reduce residential energy and natural resource use. The expected result is improvement in air quality and particularly reduction of carbon dioxide. We will develop an interactive energy education web-based curriculum and deliver it directly to consumers, and to extension educators and other professionals to enhance their educational efforts in bringing about changes in energy efficiency practices.

**Proposal Context:** Statewide

**Duration:** 2009–2011

**Cost:** \$30,000 Awarded from NET

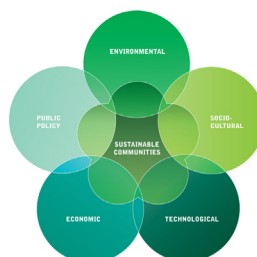
**NET Funding Objective:** Air Quality

### Process:

- The completed curriculum includes eight web-based modules focused on a variety of topics including purchasing energy efficient materials/appliances, weatherization/insulation, structural design, low cost measures, windows, lighting, energy rating labels, managing and selecting heating/cooling equipment, and ensuring healthy environments.
- This energy education curriculum and resources were developed to support extension and other educators and housing and energy related professionals in their efforts to educate consumers; and to provide consumers with direct access to energy information via the web based modules.
- 25 videos have been uploaded to help illustrate the concepts provided in the modules. There are plans for additional videos and more content in the future as the issues, research, and best practices change.

**Domains:** The web-based curriculum created, along with the 25 videos that have been produced to illustrate the concepts, will help to teach people the importance of energy efficient technology. This project falls under the Environment, Socio-Cultural and Technological domains.

**Transferability:** Professional educators in community colleges, public and private schools, other agencies and organizations as well as business and industry can use these same web based resources for their educational programs. Other businesses, organizations, and educational systems can link directly to the curriculum.



**JOSLYN INSTITUTE**  
for Sustainable Communities