



Colorado Energy Science Center



Collaborative Program Opportunities

October 24, 2007

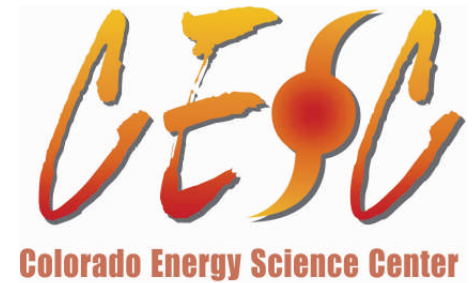
Why Collaborate?



The problems are immense –
the solutions must achieve
vast scale

We can achieve more by
working together

CESC, E-Star, SEL: Tools for Collaboration



Nonprofit organizations often facilitate collaboration.

Our programs are a manifestation of collaboration

Dozens of Colorado energy organizations are involved in our work, as funders and as partners

E-Star Program Areas



- Home Energy Rating System
- Energy Codes
- ENERGY STAR New Homes
- Home Performance with ENERGY STAR
- Professional Education/ENERGY STAR Summit

Home Energy Rating System



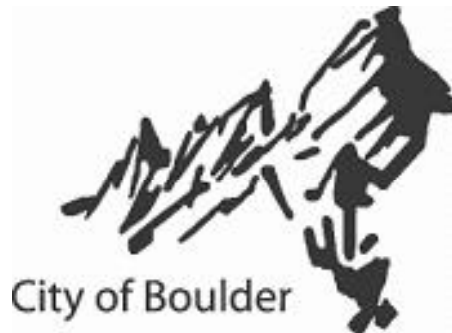
- E-Star is a provider to over 20 certified HERS raters
- Raters are independent contractors
- Ratings critical to ENERGY STAR New Home program
- Raters can audit existing homes – a critical activity that utilities should encourage
- An energy rating or audit is a powerful educational tool.
- A simple option: Utilities can promote or subsidize energy ratings or energy audits.

Energy Codes



- E-Star has been doing energy code work for more than 5 years
- CO building code jurisdictions have often paid little attention to Energy Codes
- New legislation requires stronger codes
- E-Star will prepare a proposal to support the new legislation
- Utilities could encourage and support effective energy code compliance

Colorado Home Performance with ENERGY STAR®



Colorado Home Performance with ENERGY STAR



What is a Home Performance Project?

- Must assess all energy efficiency opportunities: energy savings, comfort, health and safety
- Projects can include multiple energy efficiency measures
- A whole house, one-stop-shop approach

More Utility Partners Welcome!

Professional Education



- E-Star has conducted many highly successful professional training events
- E-Star may propose an ambitious training effort to build the energy efficiency workforce
- Utility partners could join our proposal

THE ENERGY STAR® SUMMIT 2007

Your Future Customer Will Demand a High Performance Home!

Will you have what they are looking for?



MEET the Foremost Building Experts in the Nation



**BUILDERS • CONTRACTORS • ARCHITECTS
CODE OFFICIALS • MANUFACTURERS
REMODELING PROFESSIONALS • STUDENTS
MANUFACTURERS • ENERGY CONSULTANTS**

December 3rd & 4th, 2007

Hyatt Regency – Denver Tech Center
7800 East Tufts Avenue | Denver, CO 80237

**Two Days of Continuing Education Courses
Combined with a New Product Expo**

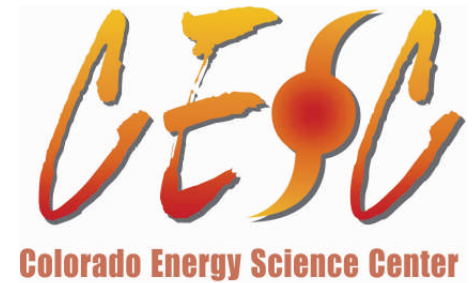
- EXPANDED two days of continuing education courses combined with new product expo
- Come see Mark Laliberte, Gord Cooke, Peter Pfeiffer and other industry experts
- Opportunity for 2 full days of invaluable networking

For registration information, sponsor opportunities, CEU information and class schedules please visit: www.e-star.com or call 612.232.7598 or 719.641.2579

EVENT PARTNERS



Colorado Energy Science Center



- School Program
- Smart Energy Living
- Energy Makeover Contests
- Workshops
- Energy Bill Analysis
- Energy Efficiency Assessment

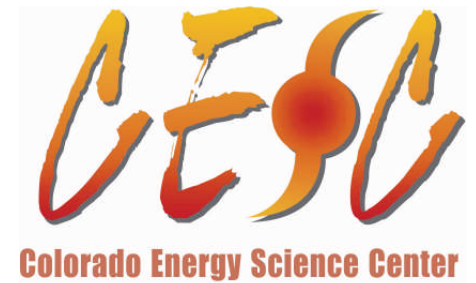
Energy Science in the Home Curricula



- Middle and high schools
- Addresses CO standards
- Develops math and science skills
- Students learn about energy efficiency
- Influence parent's energy decisions
- Reach 2000 – 3000 students per year



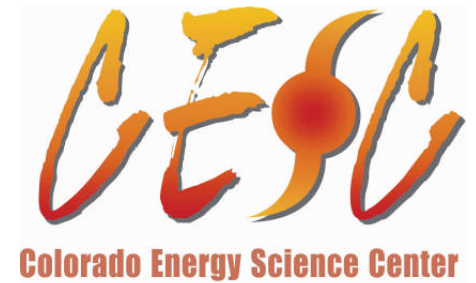
Home Energy Investigation Contest



- Student teams analyze energy bills, present posters
- Competition can be within schools or communities
- Teams win
 - Cash prizes
 - End of year trip to a college or museum
- Supporters include Xcel Energy Foundation, Atmos, Grand Valley Power



Energy Hog Traveling Road Show



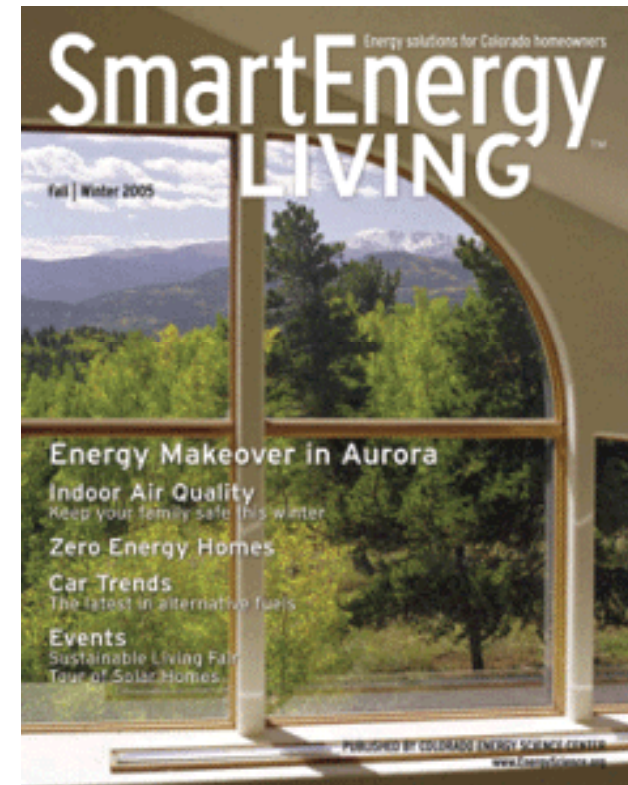
- Assembly program for grades 3-6
- Addresses Colorado standards
- Partner: Energy Outreach Colorado
- Reached 25,000 students in 4 years
- Utilities could sponsor

SmartEnergy

Energy solutions for Colorado homeowners

LIVING

- Began in 2004
- Objective educational content
- Ads on efficiency and solar
- Reaches 100,000 readers/issue
- Supported by Xcel Energy, Colorado Springs Utilities, Fort Collins Utility
- Expanding to quarterly schedule
- Utilities could support distribution, editorial, or partner on a utility specific issue



Energy Makeover Contests



- Innovative program developed by CESC and Xcel Energy
- Xcel Energy and Colorado Springs Utilities fund contests. DMEA did in 2005.
- Utility promotes contest applications
- CESC recruits sponsors, runs selection
- Sponsors contribute labor and materials
- Winning homes receive comprehensive energy efficiency upgrades
- Big savings, great promotion of efficiency



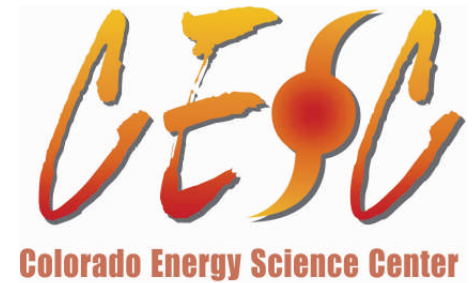


Consumer Workshops



- A Powerful educational tool
- Creates visibility for energy efficiency
- CESC and Governor's Energy Office planning statewide consumer seminar approach
- Utilities and energy efficiency companies are invited to join our proposal

Energy Bill Analysis



- Are you living in a Hummer or a Prius?
- Knowing this can motivate consumer action
- Compares your home to 7000 Colorado homes
- 1 to 100 efficiency index
- Tells you how much can you save
- Available to CESC members, SEL advertiser customers, HPwES customers
- Utilities could provide access to this tool

Energy Efficiency Assessment



- CESC completed an assessment of commercial energy efficiency for the Metro Denver Economic Development Corporation
- Assessment can tell you:
 - How much energy efficiency potential in your service territory?
 - How much would it cost to implement?
 - How much benefit?
 - How much might consumers pay to implement?
- Utilities could support an assessment

Summary of Collaboration Possibilities



- Support energy code compliance
- Promote, subsidize energy audits
- Support HPwES
- Attend or sponsor the ENERGY STAR Summit
- Help build the energy efficiency workforce
- Help us educate K12 students
- Be a Smart Energy Living partner
- Run an Energy Makeover contest
- Join in on the consumer seminar proposal
- Promote energy bill analyses
- Conduct efficiency assessment