



UBEES is here to help create the market & workforce to position Utah at the forefront for social & economic prosperity through leadership in high performance homes & buildings.

UBEES is designed to help take advantage of Utah's tremendous energy efficiency resource in a way that benefits businesses, builders, residents and Utah workers.

UBEES provides:

- Education and coordination of energy efficiency efforts.
- Assistance using free building energy benchmarking resources to help businesses get started evaluating their energy use and to find savings.
- Forums to facilitate training and information-sharing.

Goals of UBEES

By creating diverse partnerships with state and local governments, private businesses, and nonprofit organizations, the UBEES Partnership will:

- Create the market and workforce to position Utah at the forefront for the social and economic prosperity through continued investment in energy efficiency and renewable energy.
- Play a significant role in meeting Utah's energy efficiency and renewable energy goals. These include a 20% improvement in energy efficiency by 2015 and 20% of energy from renewable sources by 2025.



UBEES Team:

- Division of Facilities and Construction Management
- Governor's Office of Economic Development
- Governor's Energy Advisor
- Utah State Energy Program
- Utah Clean Energy

Contact Information

Outreach & Collaboration

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Websites for more information on Energy Efficiency

www.energy.utah.gov
www.utahcleanenergy.org
www.eere.energy.gov/buildings
www.geology.utah.gov/sep

Sign up to be a partner today!
www.ubees.utah.gov



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Utah Building Energy Efficiency Strategies



Prosperity
through Building
Energy Efficiency



UBEES



Why Participate in UBEES?

As a UBEES partner, you will be a principle participant in Utah's campaign to be one of the most efficient, energy competitive states in America. Through the UBEES partnership you will gain access to energy efficient technologies, programs and best practices that are saving Utah residents and businesses money on energy bills every month:

- **Business/Building owner:** learn how to manage energy use in your business or facility;
- **Developer/Builder/Architect/Building Inspectors:** learn the latest in cost-effective code-compliance (i.e. building design and construction techniques);
- **Educator/Trainer/Workforce:** meet with industry leaders to help build tomorrow's energy workforce.

Additional benefits of UBEES partnership include:

- Assistance using the free Energy Star Portfolio Manager benchmarking software;
- Education and training opportunities;
- Latest news, and updates on conferences and technology;
- Networking opportunities;
- Recognition as an official partner on the UBEES website.

Energy conservation begins by switching out light bulbs and switching off unnecessary power. Energy Efficiency is making permanent changes by building or retrofitting more efficient homes and businesses, utilizing smart technologies and high performance building practices, ones that save energy and money throughout a lifetime.



Key Facts

Information about Building Energy Efficiency

- Energy efficiency is the farthest reaching, least-polluting, and fastest growing energy success story of the last 40 years.



- Buildings use 48% of the total energy consumed in the U.S. (EIA)
- Energy efficiency is the most affordable and readily available energy resource.
- Energy efficiency is saving money.
- Energy efficiency helps us meet our energy needs as demand rises.
- Energy efficiency helps make wise use of our natural resources and reduces air pollution.
- Energy Star homes use approximately 15% less energy than a standard code-built home (ENERGY STAR, 2009).
- In 2008, Utah was ranked 5th in the Nation in Energy Star home construction. That means that 37% of all homes built in Utah qualified as Energy Star.



“Utah can put its builders and contractors to work retrofitting existing homes and buildings, while mining the state’s vast energy efficiency potential, which is hidden within inefficient buildings across the State.”

Building the Clean Energy Economy, January 2010



UBEES Strategies

Measuring and Managing Building Energy Use or “Benchmarking”

- Tracking a buildings energy use is the first step in understanding and reducing energy use.
- Understanding your buildings energy costs allows you to evaluate and then track the cost savings of potential efficiency improvements.

Code Adoption, Compliance & Above Code Programs

- Adoption of the International Energy Conservation Code (IECC) 2009 for residential and commercial buildings provides 12% to 15% Energy Efficiency savings in all new buildings.
- The UBEES goal of 90% Code Compliance will add significant energy savings for Utah building owners thus dramatically reducing energy costs.
- Above code programs such as Energy Star, Builders Challenge, LEED, Idea House and Home Star are excellent avenues to build and retrofit using state-of-the-art technologies and strategies.

Outreach and Collaboration

- UBEES partner, the Utah Division of Facilities Management is tracking building energy performance on over 80% of buildings owned by the State and have reduced building energy use by almost 11%. From this ongoing exercise, UBEES is able to provide partners with guidelines for best practices of managing and improving a building's energy use.
- UBEES will recognize and support communities and businesses that lead by example and share their energy efficiency methods and success stories.

Workforce Development

UBEES works with higher learning institutions and building industry representatives to train tomorrow's workforce in the ever-expanding clean energy industry. Trades and professionals include building managers, architects, auditors, inspectors, plumbers, HVAC, and many more.