



Utah Energy Update

Utah Energy Conservation Coalition/Energy Rated Homes of Utah

2nd Quarter 2005/ Vol. 9.2

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Utah Energy Office Reorganized

The Utah Energy Office will soon be a thing of the past and greater attention will be placed on energy economic development. Senate Bill 199 (amended) eliminated the Utah Energy Office and moved some of its programs and funds to other state agencies.

The Governor has appointed an Energy Policy Director. Glade Sowards now has this position (focusing on economic development within the state's energy industries). An Energy Advisory Board will also be established to drive the state's new energy policy.

Glade Sowards, the new Energy Policy Director, said a number of programs currently in place have not been addressed in the proposed legislation. Others think a state energy policy, including emphasis on renewable resources, can lead to new technologies and new jobs.

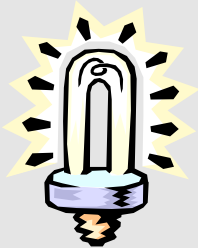
The Utah Energy Office has historically focused on both energy conservation and energy economic development. The bill transfers authority for certain federally related programs and the renewable energy tax credit to the Utah Geological Survey.

"The technical areas that have been performing within the Office of Energy will still take place. They will just take place in other divisions and departments where they can provide the best service and best fit. There is some cost savings here. We're looking to make government more efficient and we also think that's part of the Huntsman agenda," Sowards said.

At the time of this publication and printing the Coalition is unsure as to where the various conservation, efficiency and renewable programs will actually end up. As more details become available, we will keep you informed.

UECC/ERHU

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phone at 801-765-0034 or
800-550-8322.



DOE Launches New Consumer Web Site

The US Department of Energy (DOE) has introduced a new Web portal providing links to energy-saving information useful to consumers. The Web site provides information on a broad range of topics, including energy audits, space heating, water heating, windows, appliances, weatherization, the Energy Star Homes program, and the Building America program. The address of the new site is www.energysavingtips.gov.

Building Codes and their amendments, adopted for the state of Utah, are specified in Utah Uniform Building Standards Act Rules (http://www.dopl.utah.gov/licensing/ubc_commission_sub_page.html#ubcctstatutes) starting at section R156-56-701.

Energy Star® News

What few people realize is that the average home can cause more greenhouse gas emissions than the average car. EPA is calling on Americans to protect our environment by taking five steps in their own homes to improve energy efficiency. This new ENERGY STAR public awareness campaign is part of EPA's ongoing commitment to educate the public about the benefits of energy efficiency and preventing air pollution.

The campaign is based on five simple things everyone can do in their home to make it more energy efficient:

1. **Change Five Lights.** Replace your five most frequently used lights or the bulbs in them with ones that have the ENERGY STAR label from EPA.
2. **Look for ENERGY STAR labeled Products.** Available in more than 40 product categories, including lighting and home appliances.
3. **Heat and cool smartly.** Have your heating and cooling equipment serviced annually and remember to replace air filters regularly. Use a programmable thermostat, and when it's time to replace old equipment, choose an ENERGY STAR labeled model.
4. **Seal up your home.** Seal air leaks, add insulation and choose ENERGY STAR labeled windows.
5. **Tell family and friends.** We're asking you to help spread the word that energy efficiency is good for your home and the environment while reducing your monthly energy bills.
Last year alone, Americans, through the ENERGY STAR program, saved enough energy to power 20 million homes and avoid greenhouse gas emissions equivalent to those from 18 million cars - all while saving \$9 billion.

UPCOMING EVENTS

HOME ENERGY RATER TRAINING

May 23-27, 2005

August 15-19, 2005

October 3-7, 2005

Announced on our website www.utahenergy.org and to be held at
112 S Mtn Way Drive, Orem, Utah.

Phone or email if you have questions at 801-765-0034 or
cris@utahenergy.org.

Around The Office

Get to know the Utah Energy Conservation Coalition by reviewing upcoming staff biographies on our website www.utahenergy.org under Inside UECC/ERHU.

Utah Energy Conservation Coalition Board of Trustees:

Bernell Loveridge-President

Marci Milligan-Vice President

Bob Stackhouse – Secretary/Treasurer

Jerry Zenger

Allen Gardner

Staff:

David A Wilson

Executive Officer

Cris Peterson

HERS Coordinator

Mark Eldredge

Energy Code Specialist

Brenda Argyle

Technical Assistant

Sponsors:

Advanced Thermal Solutions (ATS)

ATS Systems help lower energy costs, while increasing the overall value of the building to the consumer.

CertainTeed Insulation

Provides many building products and materials to help lower energy costs and increase comfort.

Thank you for your support now and in the future!

Utah Greenergy Program News

The Utah Sustainability Program encourages a "whole-systems" approach to residential construction through design and building techniques to minimize environmental impact and reduce the energy consumption of building construction while contributing to the health of its occupants.

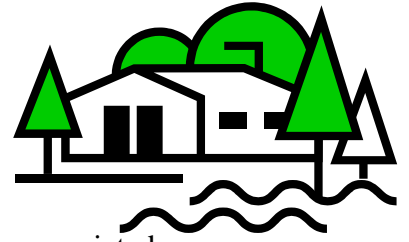
The Utah Energy Conservation Coalition Sustainability website has been updated with new information and a new look. Please visit this new webpage at <http://www.utahenergy.org/sustainability.html> and become familiar with what sustainable building can do for you and the environment.

Utah Power – Energy Star Program

Utah Power is developing an Energy Star Program to improve and develop partnerships to increase awareness of ENERGY STAR® homes. The Utah Power program will utilize local employees, offer incentives to participants, provide co-op advertising and provide technical assistance and training. As more details become available, we will keep you informed. For details contact John Ashe with ICF Consulting at jashe@icfconsulting.com.

Green Guide for Health Care

While an array of building types are represented in the healthcare sector, the **Green Guide for Health Care** is specifically customized for buildings that are predominately institutional occupancies as defined by the local building code, such as acute care hospitals, where regulatory requirements have created particular needs. Medical office buildings, clinics and other buildings where healthcare concerns are dominant can also use the Guide. Recognizing the full-range of construction activities associated with the healthcare sector, the Guide applies to new freestanding facilities, additions to existing facilities coupled with renovation and extensive rehabilitation/adaptive reuse projects.



The **Green Guide for Health Care** borrows the credit numbering scheme and credit outline structure of the US Green Building Council (USGBC) LEED® family of products, with some modifications.

Each credit has the following elements:

- **Intent** – summarizes the goal of the credit.
- **Health Issues** – (new to the Guide) identifies specific health concerns addressed by the credit. Reviewed by Dr. Ted Schettler, M.D., MPH
- **Credit Goals** – itemizes the specific steps to take to achieve the credit including threshold goals.
- **Documentation** – suggests documentation to assist internal tracking and record-keeping as bases to monitor, baseline and benchmark achievement of the requirements and performance. These represent the type of requirements that could be used in a USGBC LEED® certification system. The Guide, however, is a voluntary self-certifying document. The Green Guide Steering Committee does not intend to establish a separate certification system. It is at the user’s discretion that appropriate documentation and tracking systems are developed to internally monitor achievement of Green Guide goals.
- **Reference Standards** – references the standards and documents that form the basis of the credit requirements.
- **Potential Technologies & Strategies** – suggests optional pathways for meeting the credit intent. Regional considerations and project specific performance needs, goals and other constraints are important factors to consider. Products and materials referenced in the Potential Technologies & Strategies section do not represent an endorsement but rather a suggestion for consideration in some applications.
- **References** – selected references providing further information on the credit, requirements, and suggested technologies and strategies.

Operations and Maintenance protocols are critical to maintaining the health and environmental profile of healthcare facilities once built, and should be considered during programming and design phases. In acknowledging this relationship, the **Green Guide for Health Care** addresses some of the key operations issues in the accompanying “Operations” section. Given the critical relationship between operations, building program and design, design teams are strongly encouraged to collaborate with facility staff early in the design process to evaluate the impact of sustainable operations protocols, and to reference the Operations section during programming and design to ensure their integration.

The **Green Guide for Health Care** Pilot Phase will run for a minimum of one year. Design and facility management teams in any stage of design, construction or operation are invited to register their projects and participate in the Pilot program. Participants will be able to engage in the Green Guide for Health Care Forum – a dedicated web based discussion where registered project team members can engage in peer-to-peer interchanges with other teams to discuss issues that arise and exchange ideas as they pursue achievement of credits in the Guide. While the GGHC Steering Committee and staff are unable to offer consultation on individual projects, the peer-to-peer discussions in this Forum should provide valuable support and ideas to participants. These discussions will also provide important experiential data to the GGHC Steering Committee and inform subsequent refinements to the Guide. For more information about the Pilot and how to register your project and your team visit the **Green Guide for Health Care** web site at www.gghc.org/participate.cfm.

Dilbert's Custom House – check it out at www.dilbert.com/comics/dilbert/duh

In pursuit of finding true happiness and peace on earth for Dilbert and Dilbert-like individuals across the globe, cartoonist and visionary Scott Adams embarked on a journey to create "Dilbert's Ultimate House"(DUH). DUH is a virtual web-based home that the famous icon of the workplace Dilbert, his fans, tech geeks, the environmentally conscious, and those who just plain love the comfort of a good sofa, will covet.

Packed with energy and water saving elements, easy to maintain, with no wasted "museum rooms", Dilbert's Ultimate House is a sanctuary for both the environmentally concerned and the convenience fanatic alike. From Dilbert's own watchtower to a room solely for cat litter, below are a few of the funny and unique uses of space that are highlighted in the house:

- * Christmas tree storage closet. Fake tree stays decorated, on wheels, all year, ready to come out in December.
- * Hoseable bathroom for kids includes drain in floor. All surfaces can take a wash down.
- * Basketball court in basement
- * Quiet room (doubles as scream room), visible through soundproof glass
- * Urinal in Dilbert's master bathroom
- * Two dishwashers (one for clean dishes, one for dirty)
- * Cat/dog room
- * Vacuum robot
- * Observatory shaped like Dilbert's head
- * Guest bedroom rigged for instant sleepovers
- * Home theater



To design the house, Adams recruited the help of his fans, a leading 3D animation and multimedia studio and energy and environment experts. The computer model is currently up and running and viewers are able to take virtual tours of the completed house on www.dilbert.com.

"Dilbert's house turned out so well that I find myself envying an imaginary person," remarked Adams. "I thought I already had every character flaw that existed, and then this came along. It's unsettling, really."

Adams, in an attempt to create an "open source" project, called upon his many fans to design an ultimate house. After receiving over 3,000 responses, ranging from the innovative to the absurd, Adams took the most forward thinking, out-of-the box, thoroughly useful house solutions to the engineers and architects of Heartwood Studios. In addition, he enlisted the consultation of PG&E, the primary west-coast gas and electrical company, to receive top energy-efficiency tips.

"Dilbert, the ultimate cubicle dweller, could only hope to live in the home that we created for him," said Raj Raheja, Creative Director of Heartwood Studios. "Scott and his fans have ground-breaking home improvement ideas that will blow the average home-owner away. We are excited to be part of such an innovative project and look forward to the possibility of seeing elements from DUH used in a real home in the near future."



"We are in existence to encourage more people to use energy efficiently and to conserve while still remaining both physically and financially comfortable in their homes."

Visit us on the web: www.utahenergy.org
