

ENERGY STAR®  
Demonstration Dorm Room  
Other Projects and Upcoming Events



**ReBuild Hawaii Consortium**  
Nov. 3, 2005 – Honolulu, Hawaii

Gail Suzuki-Jones  
State of Hawaii  
Strategic Industries Division  
Department of Business, Economic  
Development & Tourism



ENERGY STAR® Label



- A trusted symbol that identifies products with superior energy performance
- Voluntary labeling program jointly managed by EPA and DOE
- Over 40 product categories and 14,000 product models

## ENERGY STAR® Purchasing



ENERGY STAR® Purchasing helps organizations identify, specify, and purchase ENERGY STAR® qualified products as part of an overall energy management strategy.

## Benefits of Purchasing ENERGY STAR® Qualified Products



- Equivalent or better quality
- Lower utility bills
- Consume less energy
- Publicly demonstrate commitment to environment

## ENERGY STAR® Qualified Product Categories



Lighting  
Appliances  
Consumer Electronics  
Office Equipment  
Food Service Equipment  
Heating & Cooling  
Windows & Roofing  
Transformers  
Traffic Lights



## ENERGY STAR® Purchasing Tools



- Product listings (brand, model number, features)
- Product specifications
- Drop-in procurement language
- Savings calculators/LCC

[www.energystar.gov/purchasing](http://www.energystar.gov/purchasing)

## Enabling Energy-Efficient Purchasing – State level



- Hawaii  
Agencies shall select, where life-cycle cost-effective, ENERGY STAR and other energy efficient products when acquiring energy-using products.

Hawaii Revised Statutes Chapter 196

## Enabling Energy-Efficient Purchasing – Federal level



- Energy Policy Act of 2005  
Federal agencies required to purchase only ENERGY STAR and FEMP-designated products unless such a purchase would not be cost effective over the life of the product.

( By Feb. 2006, DOE will issue guidance to implement and meet the requirements of EPACT 2005.)

[www.energystar.gov/products](http://www.energystar.gov/products)

[www.eere.energy.gov/femp/procurement](http://www.eere.energy.gov/femp/procurement)

## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



### Project Objectives:

- Demonstrate the energy savings potential of the ENERGY STAR labeled products in a dorm room setting
- Educate University staff, students, faculty, and general public on the benefits and options for purchasing ENERGY STAR products
- Serve as a teaching tool for the students and administration on future projects

## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



### Promotion and Outreach:

Spring/Summer 2005  
UH Earth Day - April 2005  
ENERGY STAR Back to School Checklist

October 2005  
ENERGY STAR Dorm Room Open House  
Change a Light, Change the World  
National Energy Awareness Month

October 2005  
Ka Leo, Honolulu Advertiser and  
Television News Coverage

## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



### Public PARTNERS:

- US Department of Energy
- State of Hawaii, Department of Business, Economic Development and Tourism, Strategic Industries Division
- Strategic Energy Innovations
- University of Hawaii Center for Smart Building and Community Design
- University of Hawaii School of Architecture
- University of Hawaii Sea Grant College Program
- University of Hawaii Student Housing Services

## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



### Private PARTNERS:

- Energy Industries – *Lighting* (Darren Kimura)
- Good Earth Lighting – *Torchieres* (Linda Raffleson)
- Greenlite – *Compact Fluorescent bulbs* (Lisa DeWindt)
- Home Depot – *4-handset telephone* (Mike Dolan)
- Ostram Sylvania – *Compact Fluorescent bulbs* (Patrick Smith)
- Sears – *Refrigerator* (Phil Chang)
- Sony – *Mini stereo system* (Joyce Choi)
- Wal-Mart – *Compact Refrigerator, Microwave and other home electronics* (Cheryl Magbee)

## ENERGY STAR® Dorm Room Demonstration Project at University of Hawaii at Manoa



- By retrofitting with ENERGY STAR Appliances, Energy Efficient Lighting and Electronic Products, the UH dorm/apartment demonstration project is saving over \$140 per year on electricity.
- Preliminary Projections from UH Sea Grant indicate that if all of the UHM dorms follow this approach, the UH Housing Office will reduce its electrical bills by 840,000 kWh and save \$120,000 per year.
- This estimated investment in ENERGY STAR products could be paid back in less than 4 years.

## Contact Info and other projects



For more information on the UHM and Other ENERGY STAR Dorm Room Projects Contact:

- UH Center for Start Building and Community Design at (808) 956-7301
- University of California Dorm Room Project Strategic Energy Innovations (SEI)  
<http://www.seiinc.org/dormroom.html>
- Tulane University  
<http://green.tulane.edu/energyqsmart/EnergySmart.html>
- The Cadmus Group, Inc.  
(919) 403-5104 or [sjurovics@cadmusgroup.com](mailto:sjurovics@cadmusgroup.com)

## ENERGY STAR® Online Trainings



- **ENERGY STAR Overview**
- Benchmarking with ENERGY STAR's Portfolio Manager
- **PC Power Management**
- Designing Top Energy Performing Buildings for Your Clients
- **Money for Your Energy Upgrades**
- **Purchasing and Procurement**
- **Introduction to the Cash Flow Opportunity (CFO) Calculator Spreadsheet**

[www.energystar.gov](http://www.energystar.gov)

## 5 Steps for Procuring ENERGY STAR® Qualified Products



- 1 **Review** purchasing policies and identify product categories where savings exist
- 2 **Visit** [www.energystar.gov/purchasing](http://www.energystar.gov/purchasing) for product listings, and access Savings Calculators to determine savings opportunities
- 3 **Coordinate** with appropriate offices within organization to encourage the purchase of identified ENERGY STAR products
- 4 **Modify** procurement language and inform employees
- 5 **Track and communicate** success

## Local and National Upcoming Related Events



- Pacific Building Trade Expo – AIA/CSI  
Tuesday, November 8, 2005  
Hawaii Convention Center 8:00am-6:00pm  
[www.pacificbuildingtradeexpo.com](http://www.pacificbuildingtradeexpo.com)
- GreenBuild 2005 Conference and Expo  
November 9-11, 2005  
Georgia World Conference Center, Atlanta  
[www.greenbuildexpo.org](http://www.greenbuildexpo.org)

## Creating High Performance Green Buildings



### *Applying LEED Green Building Rating Systems in Hawaii*

Gregory Franta, FAIA, presenter  
Principal Architect, Rocky Mountain Institute

**Monday, November 28, 2005**  
8:30am to 5:00pm

Schaefer Gallery Conference Room  
Maui Arts and Cultural Center  
One Cameron Way - Kahului, Maui



**Contact : Walter Enomoto at MECO for further information**  
[walter.enomoto@mauielectric.com](mailto:walter.enomoto@mauielectric.com)

# www.energystar.gov



- **CHANGE A LIGHT,  
CHANGE THE WORLD**



- When you replace a light bulb or fixture in your home with one that has earned the ENERGY STAR, you contribute to a cleaner environment while saving yourself energy, money and time buying and changing lights in your home.
- Every American is encouraged to change out their 5 most frequently used light fixtures or the bulbs: the kitchen ceiling light, the living room table and floor lamps, bathroom vanity, and outdoor porch or post lamp.
- If every American home made this "5 light change" not only would each family save more than \$60 every year in energy costs, but together we'd also keep more than one trillion pounds of greenhouse gases out of our air.
- That's a \$6 billion energy savings for Americans equivalent to the annual output of more than 21 power plants.

[www.energystar.gov/changealight](http://www.energystar.gov/changealight)



- "Lighting accounts for nearly 20 percent of the electricity we use at home. Switching to energy efficient lighting is an easy step we can take to make a difference for our energy resources and our environment, while saving money on energy bills today."
- Hawaii residents can find more information at [www.energystar.gov/changealight](http://www.energystar.gov/changealight).
- Qualifying, energy-efficient light bulbs use 75% less energy than standard bulbs and last six to ten times longer.
- Governor Lingle joined 30 other governors across the country to celebrate ENERGY STAR *Change a Light, Change the World Day*.

## For More Information:



- State & Local governments & hospitality:
  - Steve Jurovics, The Cadmus Group
    - 919-403-5104, [sjurovics@cadmusgroup.com](mailto:sjurovics@cadmusgroup.com)
- State of Hawaii, DBEDT, Energy Office:
  - Gail Suzuki-Jones
    - 808-587-3802, [gsuzuki@dbedt.hawaii.gov](mailto:gsuzuki@dbedt.hawaii.gov)