



An Energy-Efficiency Workshop and Exposition

Orlando, Florida

Buying Energy Efficient Products

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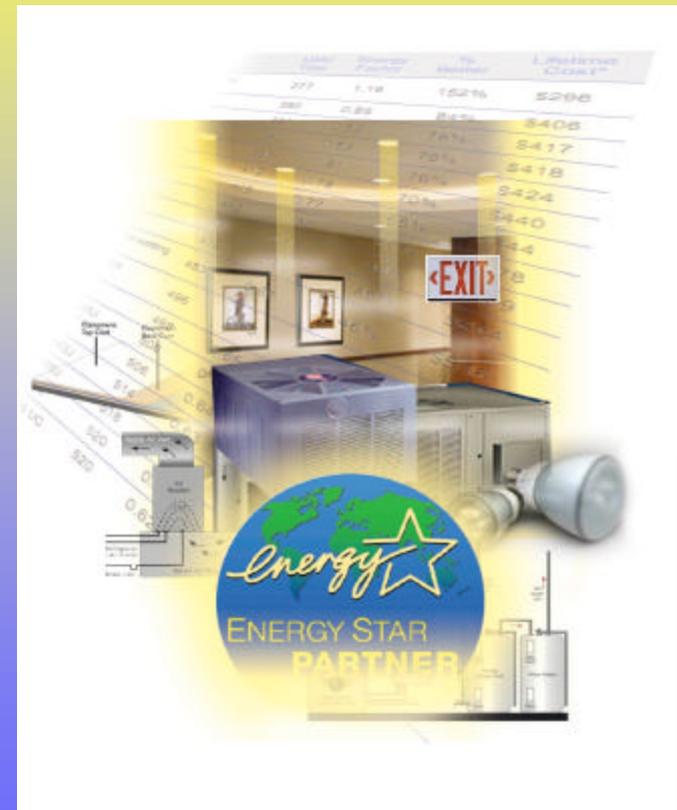
Lawrence Berkeley National Laboratory

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Why Buy Energy Efficient Products?

- Policies
- Energy and Cost Savings
- Environmental Impacts
- Market Leadership





Policies

- Energy Policy Act of 1992
- Executive Order 13123
- Executive Order 13221
- Federal Acquisition Regulation
- Pending Energy Bill



Energy and Cost Savings

Packaged Air Conditioner

- Energy Savings: 3,800 kWh/year
- Energy Cost Savings: \$220/year
- Lifetime Energy Cost Savings: \$2,200
 - Using NIST 2003 Discount Rate of 3.3%
- Estimated Cost Increase: \$700 to \$750
- Payback: Approximately 3 years



Environmental Impacts

- Pollution prevented over the efficient air conditioner's lifetime:
 - 93,000 pounds of CO_2
 - 125,000 grams of NO_x
 - 280,000 grams of SO_2
- This is that same amount of CO_2 generated by 8 cars in one year



Market Leadership

- Federal government spends between \$10 and \$20 billion per year on energy using products
- Purchasing efficient products will:
 - Increase market presence
 - Lower prices
 - Set example



What are Energy Efficient Products?

- FEMP's *Recommendations*
- ENERGY STAR® label
- Low Standby Power



Product Energy Efficiency Recommendations

- Office Equipment
- Residential Appliances & Equipment
- Commercial Appliances & Equipment
- Lighting Technologies
- Construction Products
- Water Using Technologies



ENERGY STAR

Symbol for energy efficiency

- Office Equipment
- Heating & Cooling Equipment
- Residential Appliances
- Home Electronics
- Lighting
- Homes



The logo for Energy 2003 features a stylized sunburst in shades of yellow and orange on the left. To its right, the word "Energy" is written in a blue, italicized font with a white outline, and the year "2003" is written in a purple, italicized font above it.

Low Standby Power

- Standby Power Data Center
 - <http://oahu.lbl.gov/>
- Some ENERGY STAR labeled products have low standby power requirements



Where to Buy Energy Efficient Products

- **General Services Administration**
 - Environmental Products and Services Guide
 - *GSA Advantage* (www.gsaadvantage.gov)
- **Defense Logistics Agency DoD EMALL**
(www.emall.dla.mil)
 - Defense Supply Center Philadelphia (DSCP) at 800-DLA-BULB
- **Commercial Sources**



For More Information

- Visit these web sites:
 - www.eere.energy.gov/femp/procurement
 - www.energystar.gov
 - http://www.eere.energy.gov/femp/procurement/standby_power
- Call the FEMP Hotline at 800-363-3732
- Visit us at the Big Booth Island located at 303-305-307 and 402-404-406