



ENERGY STAR

Energy 2002

June 5, 2002

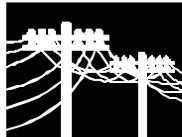
Jean Lupinacci

ENERGY STAR Buildings Director



Energy and Environment

- Problem:
 - Commercial buildings generate 18% of U.S. carbon dioxide emissions
- Opportunity:
 - 30% from wasted energy use.





What is ENERGY STAR?

ENERGY STAR is ...

- More than Label
- Voluntary Partnership

Common Goal: Protect Environment for Future Generations



Products

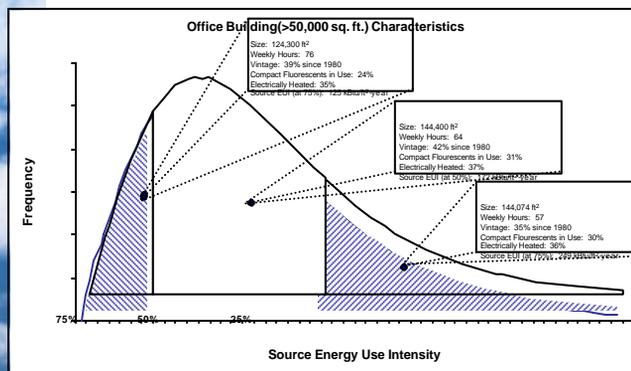


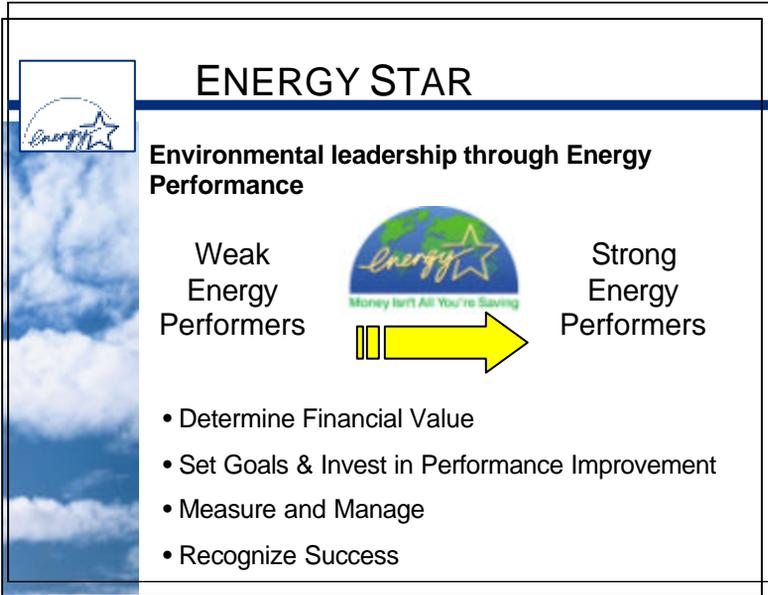
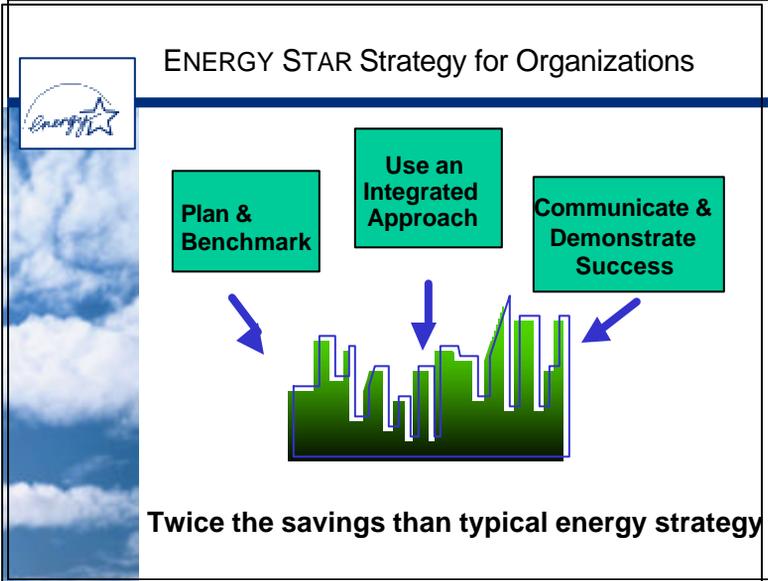
Homes

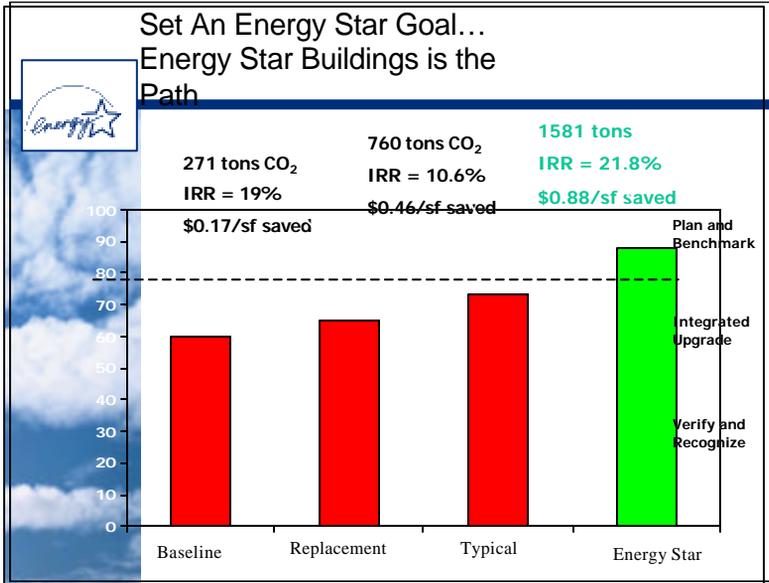


Organizations

Large Variation in Energy Consumption







Federal Government Commitment

ENERGY STAR figures prominently in Executive Order 13123 *Greening the Government through Efficient Energy Management*:

- Building performance
- New Construction
- Product Purchasing
- Leasing



Why Use ENERGY STAR?

Unique Tools & Opportunities



- On-line Benchmarking & Tracking
- Building Upgrade Manual
- Purchasing Tool Kit
- Communications
- Recognition



ENERGY STAR Benchmarking

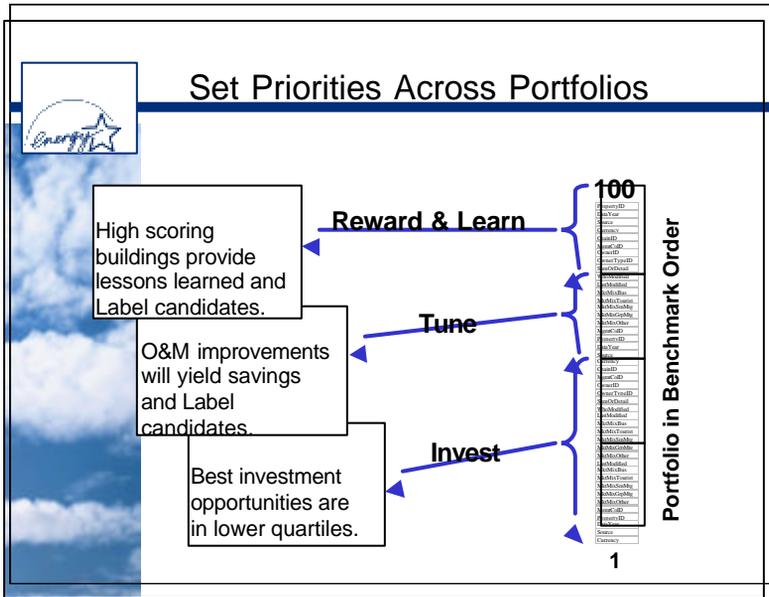
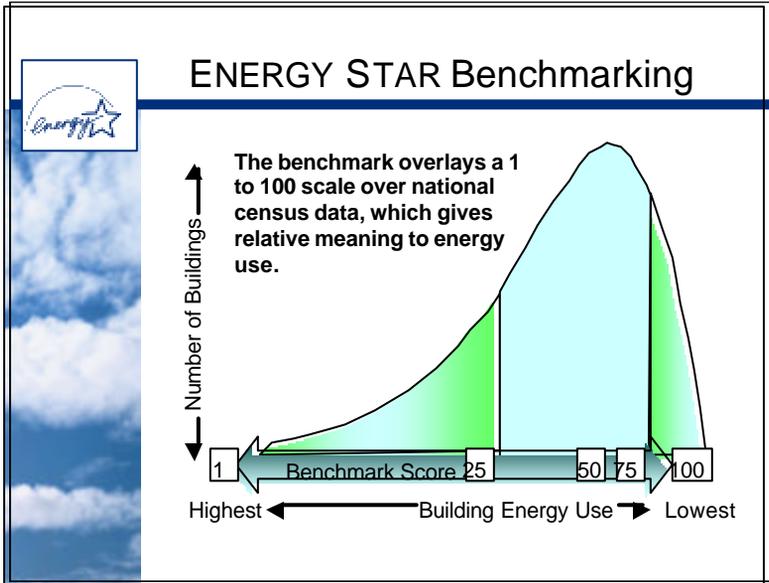
- Is 10 MPG high or low for an automobile?
- Is 63,800 kBtu/SF/year average for a midscale hotel?



Answer:
Common Knowledge



Answer:
**Even some facility
experts don't know**





ENERGY STAR Targets

Use the Score as a Performance Metric in Contracts

- Leases
- ESCO Performance Contracts
- New Building Design



Earning the ENERGY STAR Label

- Scores in the top 25% may apply
- Certified by a P.E.





ENERGY STAR Benchmarking

Eligible Space Types

- Office
- Schools (K-12)
- Hotels
- Hospitals
- Grocery/Supermarkets

Next

- Warehouse (beta test)
- Retail
- Other Healthcare



The Five-Stage Approach

Focus on sizing,
operations and control



ENERGY STAR for Public Sector Buildings



ENERGY STAR® Labeled Products

Over 30 Product Categories

Lighting

Appliances

Consumer Electronics

Office Equipment

Heating & Cooling

Water Coolers

Transformers

Ceiling Fans

Ventilation Fans

Reach-in Refrigerators



ENERGY STAR Purchasing Tool Kit

- Product listings (both ENERGY STAR labeled and FEMP designated)
- Product specifications
- Sample procurement language
- Savings calculators/LCC
- Communications resources



Communications Support

Why communicate achievements?

- Gain upper management buy-in
- Increase sales through customer loyalty
- Motivate and educate your employees
- Strengthen stakeholder relations



Communications & Recognition

ENERGY STAR Helps Call Out Leadership:

- Leverage National Brand & Communications Campaign
- 40% Consumer Awareness Nationwide
- Recognized for Environmental Stewardship & Federal Leadership



Case Study

- EPA and GSA collaborating on Energy Star:
 - Benchmarking
 - Central energy data collection
 - Regional building data
 - Recognition
 - Demonstrating leadership



To Learn More...

www.energystar.gov/

Click on “Government.” Click on
“For Federal Agencies”

Katy Hatcher
202-564-9676
hatcher.caterina@epa.gov