



## CHANGE FOR THE BETTER WITH ENERGY STAR

The ENERGY STAR<sup>®</sup> guidelines for superior energy management were established by the U.S. Environmental Protection Agency to help organizations reduce their greenhouse gas emissions. [www.energystar.gov](http://www.energystar.gov)

### The ENERGY STAR Challenge

#### Build a Better World 10% at a Time

The buildings in which we work, shop, and educate our children use about \$80 billion worth of electricity and natural gas<sup>†</sup> each year. These buildings use much of their energy at peak times, helping drive the need for new power generation and more natural gas. They also contribute about 20% of our national emissions of greenhouse gases.

It is time to make these buildings part of the energy efficiency solution – and help build a better world. EPA, in partnership with business and community leaders, is challenging building owners across the country to improve the efficiency of their buildings by 10% or more. EPA estimates that if each building owner took on this challenge, **by 2015 Americans would reduce greenhouse gas emissions by more than 20 MMTCE, equivalent to the emissions from 15 million vehicles, while saving about \$10 billion.** Leaders across the country already are showing that energy use in buildings can be reduced by 10%, 20%, 30% and even more with proven practices and technologies that pay off financially and for our environment.

In light of events across the United States President Bush has called on American citizens, businesses, and organizations to do their part by conserving energy. This call to action also reflects our country's goal of reducing the greenhouse gas intensity of our economy by 18 percent by 2012. Progress on energy efficiency provides one of the greatest opportunities for cost-effective reduction in pollution and greenhouse gases, and improvement in energy security. EPA is working with commercial and institutional building owners and managers to respond to this call and to showcase the actions of those organizations and businesses that are responding.

**The ENERGY STAR Challenge** calls on businesses and institutions across the country to take the right steps to identify the many buildings where financially attractive improvements can reduce energy use by 10% or more, and to make the improvements now through proven methods such as low-cost building tune-ups, lighting upgrades, and replacement of old equipment.

The ENERGY STAR Challenge is promoting three important actions:

- 1) **Determine how much energy buildings are using.** Systematically tracking building energy use highlights buildings that may be using unnecessary amounts of energy. For many buildings, EPA offers a national energy performance rating system that scores a building's energy efficiency, on a scale of 1 to 100, relative to similar buildings across the country. Buildings with lower ratings are typically good candidates for improvement, as the low rating reflects an important operational issue or out-dated technology. The rating system is available for office buildings, schools, hotels, hospitals, and grocery stores among others. Please visit [www.energystar.gov/benchmark](http://www.energystar.gov/benchmark) to learn more.
- 2) **Establish efficiency improvement goals.** An efficiency improvement goal of 10% or greater should be established for a portfolio of buildings as a whole or for as many buildings as possible.
- 3) **Make improvements.** EPA will recognize businesses and organizations that make improvements to their buildings and share their results. By meeting or beating their goals, these organizations are protecting our environment and improving their bottom line.

Many organizations are helping to build a better world, 10% at a time, through the ENERGY STAR Challenge. States are encouraging improvements across government buildings and facilities, including school districts and county and city governments, and reaching out to businesses in their communities. Leading associations are developing industry-specific campaigns to help their members benefit from improved energy efficiency. Many businesses and organizations already have demonstrated a 10% improvement across their buildings and have earned the special designation of ENERGY STAR Leader because of their efforts.

<sup>†</sup> Based on data from the U.S. Department of Energy's Energy Information Administration. Energy use data is from 2003. Cost data is from 1999.

## **ENERGY STAR® Challenge - Build a Better World 10% at a Time**

**ENERGY STAR Challenge participants** have joined with EPA to encourage businesses and organizations to improve building energy efficiency across the country by 10 percent or more. **ENERGY STAR Leaders** have taken the ENERGY STAR Challenge and have achieved incremental energy efficiency improvements across their entire building portfolios.

### **ENERGY STAR Challenge Participants**

Alliance to Save Energy (ASE)\*  
American Hotel & Lodging Association  
(AH&LA)  
American Society for Healthcare Engineering  
of the American Hospital Association (ASHE)  
The American Solar Energy Society (ASES)  
- Legacy Schools Program\*  
Arizona\*  
Association of Energy Engineers\*  
Association of School Business Officials  
International (ASBO)  
Building Owners and Managers Association  
(BOMA)  
California State Teachers' Retirement  
System (CalSTRS)  
Council of Educational Facility Planners  
International (CEFPI)  
Council of the Great City Schools\*  
Delaware  
Efficiency Vermont  
Florida\*  
Food Marketing Institute (FMI)  
Hawaii\*  
Institute for Sustainable Energy  
Illinois\*  
Indiana\*  
Kansas\*  
Kentucky\*  
Maine  
Maryland\*  
Michigan\*  
Minnesota\*  
National Association of Counties (NACo)  
National Association of Elementary School  
Principals (NAESP)\*  
National Association of Energy Service  
Companies (NAESCO)  
National Association of Secondary School  
Principals (NASSP)\*  
National Association of State Energy  
Officials (NASEO)  
National Energy Education Development  
(NEED) Project\*  
National Energy Foundation (NEF)\*  
National Parent Teacher Association (PTA)\*  
The National School Boards Association  
(NSBA)\*  
New Hampshire  
New Mexico\*

New York State Energy Research and  
Development Authority (NYSERDA)  
North Carolina\*  
North East Sustainable Energy  
Association (NESEA)\*  
Ohio  
Pennsylvania  
Public Technology Institute  
Real Estate Roundtable  
SACIA-The Business Council of  
Fairfield County, Connecticut  
US Telecom Association (USTA)  
Washington, DC\*  
Wisconsin\*

### **ENERGY STAR Leaders**

Buehler Food Markets\*  
Cambridge Savings Bank  
Colorado Springs School District 11  
Columbus Hospitality  
Douglas, Emmett & Company  
Food Lion, LLC  
Giant Eagle, Inc.  
Granite Properties  
Gresham-Barlow School District\*  
H-E-B Grocery Company  
Independent School District 197\*  
New York Presbyterian Hospital  
Rochester City School District  
Saunders Hotel Group\*  
South Colonie Central School District  
The Vanguard Group  
USAA Real Estate Company  
York County School Division\*

\*indicates those participants and organizations that have joined the ENERGY STAR Challenge since March 2005.