



# Ohio



## Ohio Organizations and Consumers are Saving Money and Protecting the Environment with ENERGY STAR®

### Benefits

- Ohio businesses and residents will save more than \$4 billion through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in Ohio already made through ENERGY STAR will prevent the emissions of 14 million metric tons of greenhouse gases, equivalent to eliminating the emissions from 9 million vehicles.
- If Ohio organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 4-fold.

### Highlights

- Ohio is home to more than 330 companies and public entities participating in ENERGY STAR, about 10% of which are small businesses. Others include:
  - 6 local governments and 8 school districts
  - 79 manufacturers of ENERGY STAR qualified products
  - 100 companies that build, provide 3<sup>rd</sup>-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 940 locations across the state.
- About 19,000 Ohio homes have earned the ENERGY STAR and offer families greater savings and comfort than those built to code.
- More than 600 buildings (over 132 million square feet) in Ohio have been rated for energy efficiency using EPA's energy performance rating system.
- Some 110 buildings have earned the ENERGY STAR for superior efficiency, including 2 schools, 88 supermarkets, a hotel, a hospital, and 22 office buildings. These buildings typically use 35% less energy than average buildings.
- Ohio is leading the way in energy efficiency by participating in the ENERGY STAR Challenge to improve the efficiency of its buildings by 10% or more.
- The Ohio Energy Efficiency Revolving Fund provides loans at reduced interest rates to customers served by participating utilities for the purchase of ENERGY STAR qualified products and services and other investments in energy efficiency.
- EPA and the Ohio Department of Development's Office of Energy Efficiency (OEE) enlisted Quantec, LLC, to evaluate the Batch Test Protocol Pilot, an effort to use sampling methods to measure energy efficiency in homes. If successful, the pilot may encourage greater energy efficiency in construction and an easy, cost-effective method for establishing energy efficiency.
- Replacing one incandescent bulb with a compact fluorescent light bulb (CFL) in Ohio will save more than \$60 in electricity costs during the bulb's lifespan. Under the 2006-07 *Change a Light, Change the World* campaign, Ohio had the 4th highest number of pledges to replace an incandescent light bulb with an ENERGY STAR qualified CFL.
- Buehler Food Markets and Columbus Hospitality have been recognized as ENERGY STAR Leaders for improving the efficiency of their building portfolios by 10% or more.

## Examples of ENERGY STAR Partners Protecting the Environment

### Ohio Department of Administrative Services (DAS)

*"We chose Portfolio Manager because of its simplicity, flexibility, and support. The State of Ohio has many different agencies and building types, and this software accommodates our diversity and complexity."*

- Jeff Westhoven, Deputy Director of DAS

- The Governor issued Executive Order 2007-2, which calls for a 15% energy reduction by 2011. The order directs DAS to measure and track energy consumption in state buildings and calculate each organization's carbon footprint.
- Adopted EPA's energy performance rating system in Portfolio Manager to assess the energy use of all state-funded buildings and track performance improvements.
- Uploaded information for more than 5,000 facilities across 30 state agencies.
- Will use EPA's Portfolio Manager to identify top-performing facilities and implement best practices across the DAS building portfolio.

### Case Western Reserve University

- Partnering with ENERGY STAR, plans to upgrade building lighting, control, and fan systems, as well as replace heating and cooling systems with energy-efficient ones to reduce the University's \$11 million annual utility bill.
- First project is to replace lamps and ballasts in the School of Dentistry with ENERGY STAR qualified fixtures.

### Recent ENERGY STAR Partner of the Year Winner

- Precision Entry

For more information on this Partner of the Year, go to [www.energystar.gov](http://www.energystar.gov)

### Key ENERGY STAR Partners Transforming the Residential Market

- As a percentage of housing starts, market penetration in Ohio for ENERGY STAR new homes is 13% (national average is 12%).
- 87 Ohio companies are building ENERGY STAR qualified homes; 21 of these firms have committed to making 100% of their new homes ENERGY STAR.
- The most active home builders in Ohio are M/I Homes of Central Ohio, LLC, Pulte Homes, Beazer Homes, SDC Homes & Neighborhoods, Testa Builders, Associated Land Development, Inc., Joshua Homes, C.V. Perry and Company, Homestead Communities, and James E. Moline Builders, Inc.
- The most active manufactured home builders are Palm Harbor Homes and Clayton Homes Inc.
- Cornerstone Energy Conservation Services, Energy Designed Homes, and D.R. Nelson and Associates, Inc., are actively promoting ENERGY STAR qualified homes.



### ENERGY STAR Leaders

- Buehler Food Markets, Inc.
- Columbus Hospitality

### Columbus Hospitality

*"Our energy management strategy has paralleled the ENERGY STAR methodology. We are serious about energy efficiency and believe in its benefits. We expect these upgrades, along with guidance from ENERGY STAR, to prevent pollution, save money, and help the environment!"*

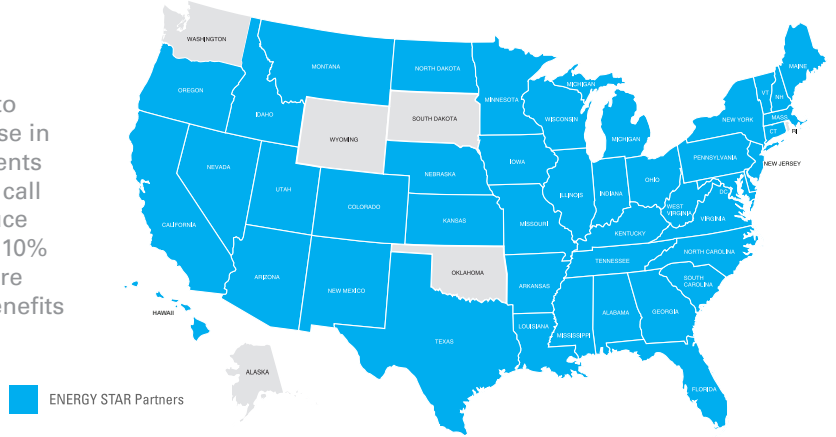
- Cliff Paulson, Director of Facilities

- Energy-efficient renovations save \$30,000 annually in energy bills and maintenance costs, and prevent the hotel from passing on an energy surcharge to guests.
- Facility upgrades included installing ENERGY STAR qualified CFLs; supplying HVAC systems, TVs, VCRs, and faxes in guest rooms; and installing occupancy sensors for lights.
- Uses EPA's energy performance rating system to track building energy use.
- Educates employees about ENERGY STAR and energy efficiency through on-site training, presentations, and updated operational procedures.

# How States are Working with ENERGY STAR

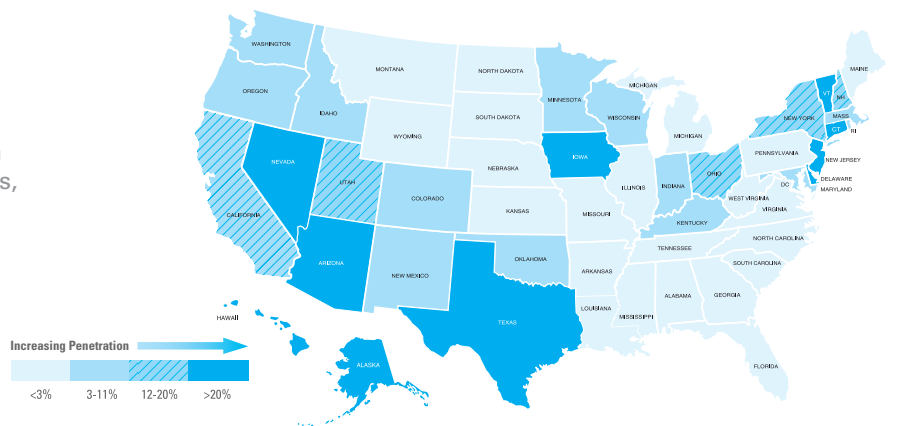
## ENERGY STAR State Partners

More than 40 states are leveraging ENERGY STAR to improve energy efficiency and reduce the energy use in their states. For example, almost 30 state governments are participating in the ENERGY STAR Challenge, a call to action for building owners and operators to reduce energy use across their entire building portfolio by 10% or more. These and other efforts by state partners are helping to bring the financial and environmental benefits of energy efficiency to their states.



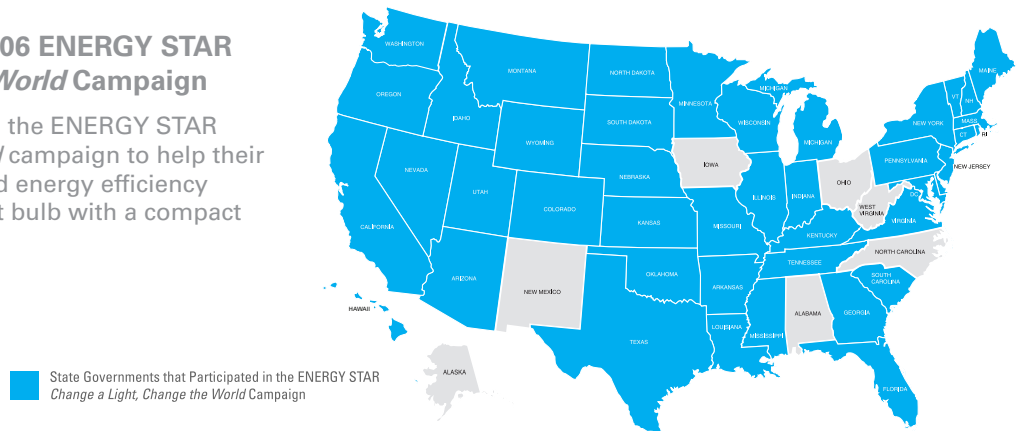
## ENERGY STAR Qualified New Homes Gaining Market Share

More than one in 10 new homes built in the United States earns the ENERGY STAR, but in 10 states and more than 20 metropolitan areas, market penetration is greater than 20%.



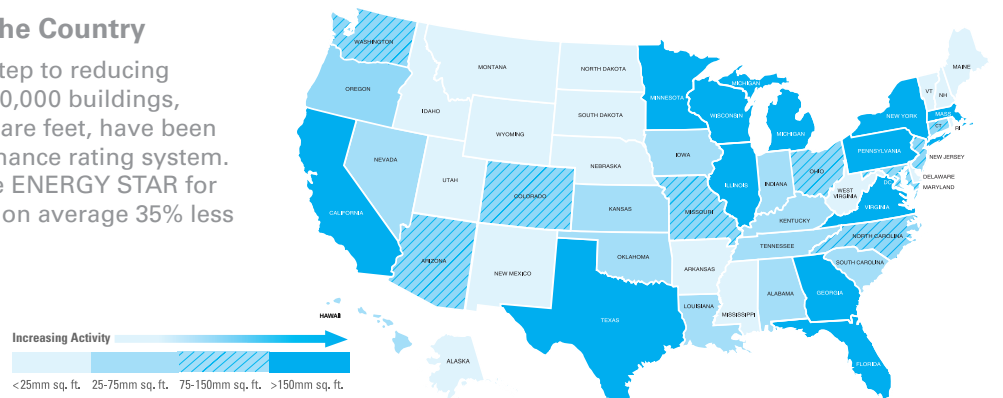
## States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

State governments are promoting the ENERGY STAR *Change a Light, Change the World* campaign to help their residents take the first step toward energy efficiency by replacing an incandescent light bulb with a compact fluorescent light bulb (CFL).



## Benchmarking Activity Across the Country

Benchmarking is an important first step to reducing a building's energy use. More than 30,000 buildings, representing more than 5 billion square feet, have been assessed using EPA's energy performance rating system. Of those, about 10% have earned the ENERGY STAR for superior energy performance, using on average 35% less energy relative to typical buildings.





# ENERGY STAR

Since its inception by the U.S. Environmental Protection Agency (EPA) in 1992, ENERGY STAR has helped individuals and organizations across the country adopt cost-effective, energy-efficient technologies and practices, better manage their energy costs, and help protect our environment. More than 9,000 organizations have partnered with ENERGY STAR to bring energy efficiency to their customers, the public, and themselves; and the results are adding up. Americans have purchased more than 2 billion ENERGY STAR qualified products, and thousands of companies have used EPA's guidelines to manage their energy more strategically. In 2006 alone, Americans, with the help of ENERGY STAR, prevented 37 million metric tons of greenhouse gas emissions—equivalent to eliminating the emissions from 25 million vehicles—and saved about \$14 billion on their utility bills, all while helping to grow the economy.

## ENERGY STAR for Consumers

Whether consumers are looking to replace old appliances, remodel their homes, buy a new house, or get the most from the equipment they have, ENERGY STAR can help. ENERGY STAR is the government-backed symbol for energy efficiency, providing credible and objective information on which consumers can rely to make well-informed decisions. The U.S. Department of Energy (DOE) has partnered with EPA since 1996 to bring ENERGY STAR qualified products to consumers. By choosing ENERGY STAR, consumers can save up to 30% on their energy bills—about \$600 a year—and enjoy the quality, performance, and comfort they expect.

Consumers can find the ENERGY STAR label on over 44,000 individual product models across more than 50 product categories, including appliances, home electronics, office equipment, heating and cooling equipment, lighting, and more. These products use up to 90% less energy compared to standard models. New homes can also earn the ENERGY STAR, and the Home Performance with ENERGY STAR program helps homeowners retrofit their existing homes for improved energy efficiency.

## ENERGY STAR for Businesses and Organizations

Many businesses and organizations can save up to 30% on energy bills through improved energy management practices and building upgrades. EPA offers its ENERGY STAR partners—those organizations that have committed to energy efficiency improvements—a host of tools and guidance, including proven energy management strategies and standardized management tools to help them achieve their goals.

EPA encourages all organizations to assess the energy performance of their buildings, set goals for improvement, and track their progress through its ENERGY STAR Challenge. And EPA offers a national energy performance rating system for buildings (providing building-level energy efficiency scores on a scale from 1 to 100) to help them do this. More than 30,000 buildings have been assessed, thousands of buildings have been improved, and more than 3,200 buildings (and 20 industrial facilities) have earned the ENERGY STAR. The ENERGY STAR buildings offer excellent real-life examples for others, using 35% less energy compared to typical buildings—and about 400 of them use 50% less energy.

*For more information about ENERGY STAR, please visit [www.energystar.gov](http://www.energystar.gov).*