

Michigan



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

Benefits

- Michigan businesses and residents will save more than \$3 billion through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in Michigan already made through ENERGY STAR will prevent the emissions of 12 million metric tons of greenhouse gases, equivalent to eliminating the emissions from 8 million vehicles.
- If Michigan organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 3-fold.

Highlights

- Michigan is home to more than 270 companies and public entities participating in ENERGY STAR, about 15% of which are small businesses. Others include:
 - 4 local governments and 7 school districts
 - 29 manufacturers of ENERGY STAR qualified products
 - More than 140 companies that build, provide 3rd-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 730 locations across the state.
- About 2,600 Michigan homes have earned the ENERGY STAR and offer families greater savings and comfort than those built to code.
- More than 1,000 buildings (175 million square feet) in Michigan have been rated for energy efficiency using EPA's energy performance rating system.
- 50 buildings have earned the ENERGY STAR for superior efficiency, including 22 schools, 7 supermarkets, 3 hospitals, and 18 office buildings.
- Michigan 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, and by bringing efficiency to its residents through the ENERGY STAR *Change a Light, Change the World* campaign.
- Financial incentives are available for owners of any K-12 school, office, hospital, computer data center, or parking garage that applies for an ENERGY STAR label after the building achieves an EPA rating greater than 75.
- State building managers will use ENERGY STAR tools to assess and rate building energy use to establish an energy efficiency savings target for all state buildings. The goal is a 10% reduction in energy use by December 31, 2008 and a 20% reduction in grid-based energy purchases by December 31, 2015.
- Schools in Wyandotte, Belding, and Grandville districts have earned the ENERGY STAR for superior energy efficiency.

Examples of ENERGY STAR Partners Protecting the Environment

Bosgraaf Homes

"We believe that our commitment to ENERGY STAR provides Bosgraaf Homes with a competitive advantage. More than 65% of the American public can identify the ENERGY STAR label, and for our customers it has come to mean a commitment to quality as well as a commitment to energy efficiency."

- Mike Bosgraaf, President

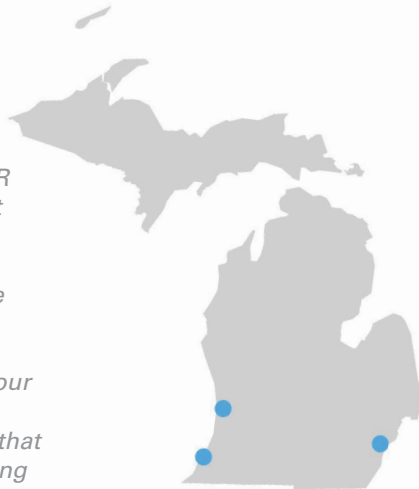
- Builds all new homes to meet or exceed ENERGY STAR guidelines.
- Recently completed its 1,000th ENERGY STAR home, resulting in almost 8 million pounds of carbon dioxide kept out of the atmosphere.
- ENERGY STAR is an important element in Bosgraaf's overall philosophy of designing and building homes and communities that are respectful of green space and the environment.

Whirlpool Corporation

"Whirlpool regards the ENERGY STAR program as one of its most important partnerships because ENERGY STAR offers more than rhetoric to efforts at conserving the world's nonrenewable resources—ENERGY STAR produces solid results for consumers. As the world's leading appliance company, our vision is to offer products for every home, everywhere. Whirlpool meets that challenge, in large measure, by offering a full line of innovative, energy and water efficient appliances."

- Dave Swift, President

- Manufactures more than 590 ENERGY STAR qualified appliance models.
- In 2003, became the first appliance manufacturer to announce a global greenhouse gas reduction target, a goal that will be realized in part through the production and sale of resource efficient appliances.
- ENERGY STAR Partner of the Year for 10 consecutive years, including a 2007 Sustained Excellence Award winner.
- Actively promotes its ENERGY STAR qualified products through print, radio, direct mail, and Web advertising.



Key ENERGY STAR Partners Transforming the Residential Market

- 121 companies are building ENERGY STAR qualified homes; 25 of these firms have committed to making 100% of their new homes ENERGY STAR.
- The most active home builders in Michigan are Bosgraaf Homes, Neumann Homes, Lombardo Companies, Holwerda Homes, Cleland Homes, Triangle Development, Inc., Eastbrook Homes, Fritz Builders Inc., and Decker Homes.
- The most active manufactured home builders are Palm Harbor Homes and Schult Homes Redwood Falls.
- Energy Efficient Homes Midwest, Inc., Energy Diagnostics, and Michigan Home Energy Analysis Team are actively promoting ENERGY STAR qualified homes.

Ford Motor Company

- Annual energy savings equate to 5 million MMBTUs—equivalent to the energy required to assemble almost 300,000 Ford Escape hybrids.
- Energy management program includes 13 auto glass plants and 15 million square feet of corporate and research facilities.
- Uses ENERGY STAR plant and building benchmarking to assess facilities' energy performance.
- Working with suppliers to address the embedded energy burden upstream of the company.
- Establishing a critical link between energy management and actual process management by working directly with vehicle painting process engineers to reduce energy use in this energy-intensive stage of auto assembly.

Recent ENERGY STAR Partner of the Year Winners

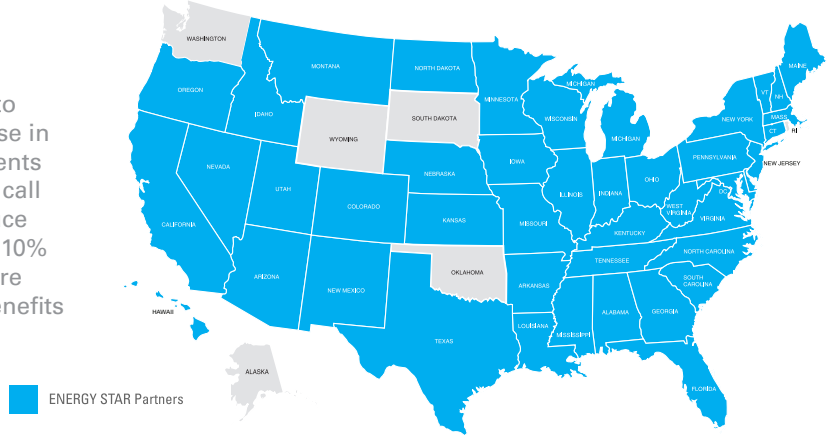
- Bosgraaf Homes
- Ford Motor Company
- Whirlpool Corporation

For more information on these Partners of the Year, go to www.energystar.gov

How States are Working with ENERGY STAR

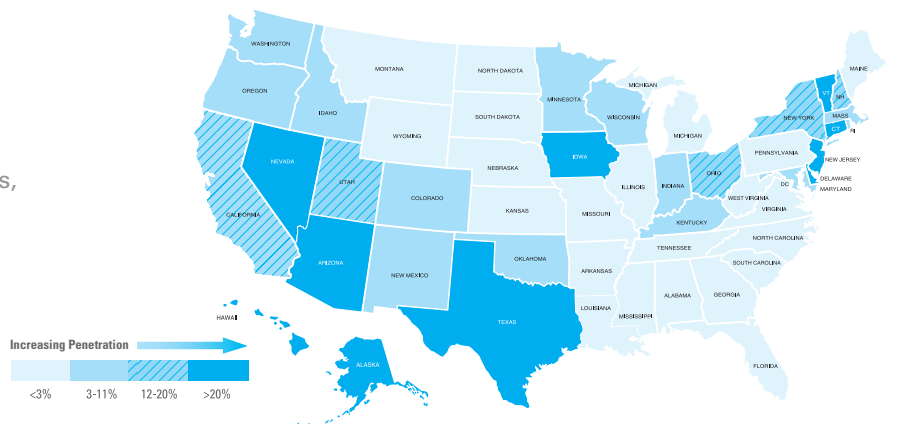
ENERGY STAR State Partners

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.



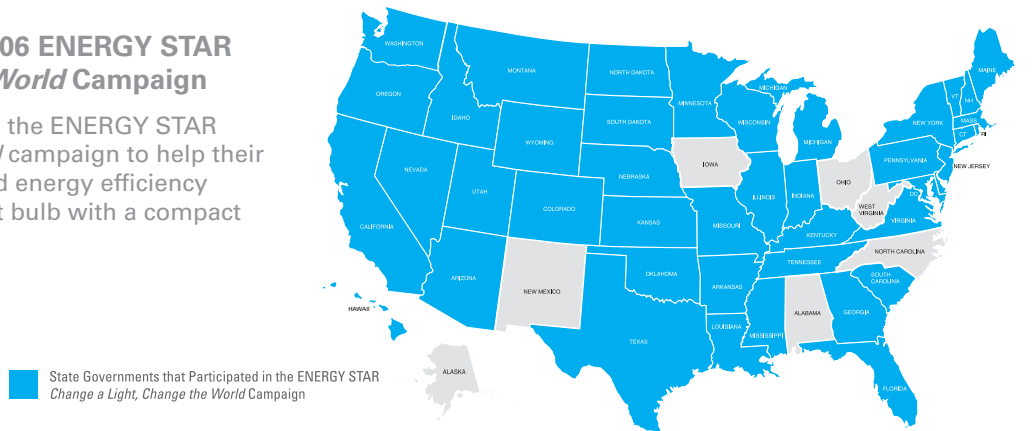
ENERGY STAR Qualified New Homes Gaining Market Share

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%.



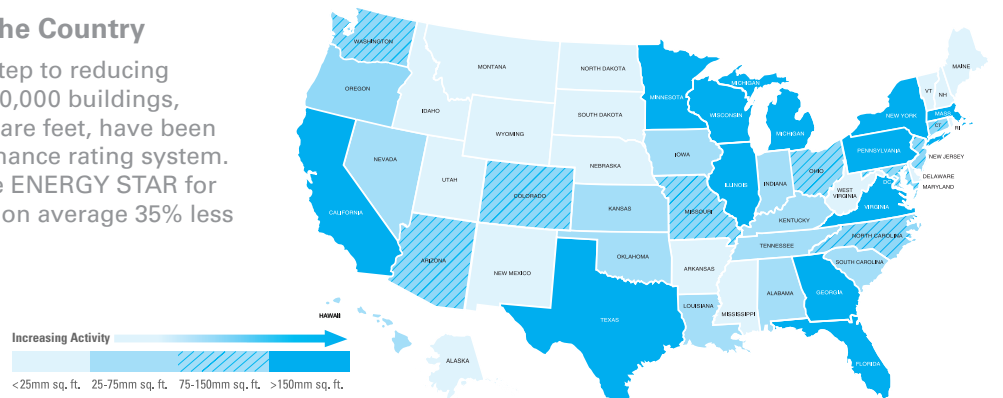
States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

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.