

Kansas



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

Benefits

- Kansas businesses and residents will save more than \$900 million through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in Kansas already made through ENERGY STAR will prevent the emissions of 1.5 million metric tons of greenhouse gases, equivalent to eliminating the emissions from 1 million vehicles.
- If Kansas organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 4-fold.

Highlights

- Kansas is home to 45 companies and public entities participating in ENERGY STAR, including:
 - 8 small businesses
 - 2 local governments
 - 1 school district
 - 4 manufacturers of ENERGY STAR qualified products
 - 14 companies that build, provide 3rd-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 220 locations across the state.
- ENERGY STAR qualified homes are offering Kansas families greater savings and comfort than those built to code.
- More than 250 buildings (over 29 million square feet) in Kansas have been rated for energy efficiency using EPA's energy performance rating system.
- 16 schools have earned the ENERGY STAR for superior efficiency. These buildings typically use 35% less energy than average buildings.
- Kansas is bringing energy efficiency to its residents by participating in the ENERGY STAR *Change a Light, Change the World* campaign.
- The Kansas Energy Office at the Kansas Corporation Commission assists school officials in assessing their districts' energy use through the ENERGY STAR for Kansas Schools program.
- The Kansas Housing Resources Corporation created the Kansas Energy Efficiency Program, a statewide initiative that allows homeowners to obtain low-interest loans to purchase energy-efficient heating systems and make other energy conservation home improvements, including ENERGY STAR recommended home improvements.

Examples of ENERGY STAR Partners Protecting the Environment

Community Mercantile

"There are costs to society associated with not using efficient technologies, and, as a business in this age, it is the responsible thing to move toward greater efficiency."

- Andy Lewis, Operations Manager

- Achieves annual savings of \$55,000 and over 700,000 kWh through purchasing energy-efficient equipment with a payback period of 3.5 years.
- Replaced inefficient lights with compact fluorescent lights, used other ENERGY STAR qualified lighting when possible, and added occupancy sensors.
- Replaced its older, less efficient HVAC unit and aging refrigerator with ENERGY STAR models.
- Installed low-E insulated windows to decrease the transference of solar light into heat, reducing the cooling load required of the new HVAC unit.
- Covers its open refrigerator unit at night to decrease the loss of cool air and limit energy use.
- Recognized as an ENERGY STAR for small business success story.

Key ENERGY STAR Partners Transforming the Residential Market

- 11 companies are building ENERGY STAR qualified homes.
- The most active home builders in Kansas are Stitt Energy Systems, Inc., and Eagle Panel Systems, Inc.
- The most active manufactured home builder is Fuqua Homes.
- Energy and Environmental Ratings Alliance and Hathmore Technologies, LLC, are actively promoting ENERGY STAR qualified homes.



Kansas City Public School District

- Has saved approximately 44 million kWh of electricity, over \$3 million, and more than 300,000 therms of natural gas to date.
- Uses a computerized energy management system, which allows energy managers to diagnose problems and adjust temperatures to meet the Board of Education heating and cooling ranges.
- Installed new energy-efficient windows and reduced the square footage of glass areas of more than 40 school buildings.
- Insulated exterior panels using Exterior Insulation and Finish System (EIFS) on the outside to reduce heating and cooling costs.

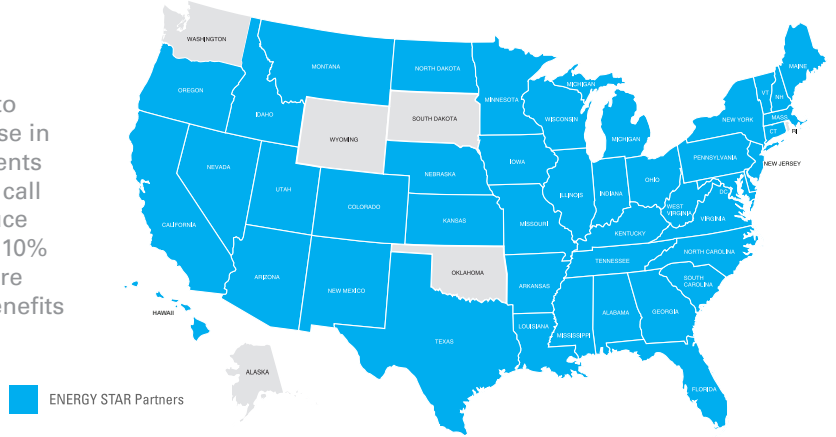
ENERGY STAR Labeled Buildings in Kansas

- Bethel Elementary, Kansas City
- C.A. Huyck Elementary, Kansas City
- Eugene Ware Elementary, Kansas City
- Frances Willard Elementary, Kansas City
- Grant Elementary, Kansas City
- Hazel Grove Elementary, Kansas City
- Lindbergh Elementary, Kansas City
- Mark Twain Elementary, Kansas City
- Morse Elementary, Kansas City
- Noble Prentis Elementary, Kansas City
- Stony Point North Elementary, Kansas City
- T.A. Edison Elementary, Kansas City
- Washington High School, Kansas City
- Welborn Elementary, Kansas City
- White Church Elementary, Kansas City
- White Elementary, Kansas City

How States are Working with ENERGY STAR

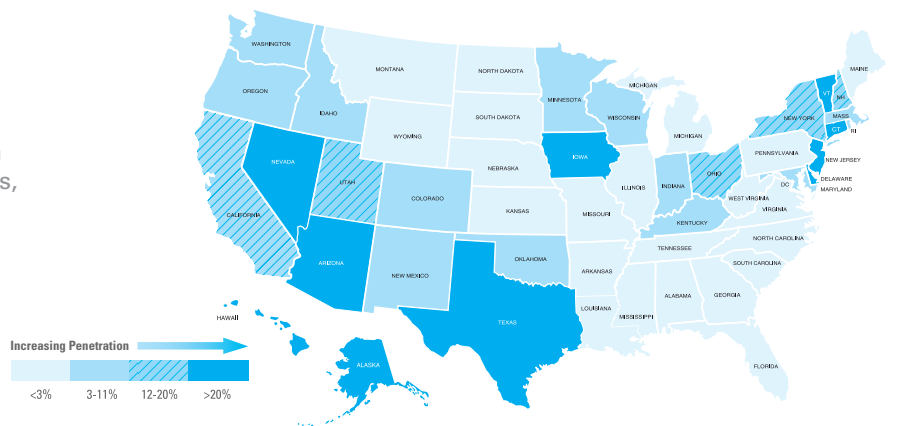
ENERGY STAR State Partners

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.



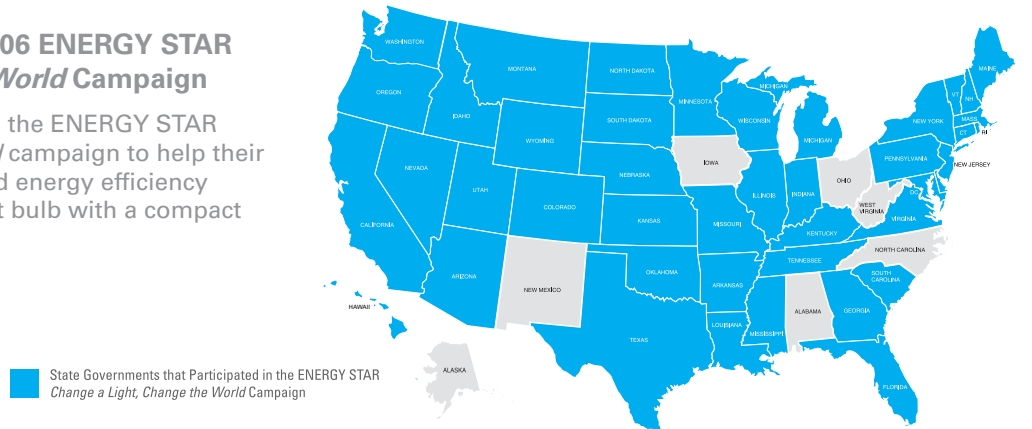
ENERGY STAR Qualified New Homes Gaining Market Share

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%.



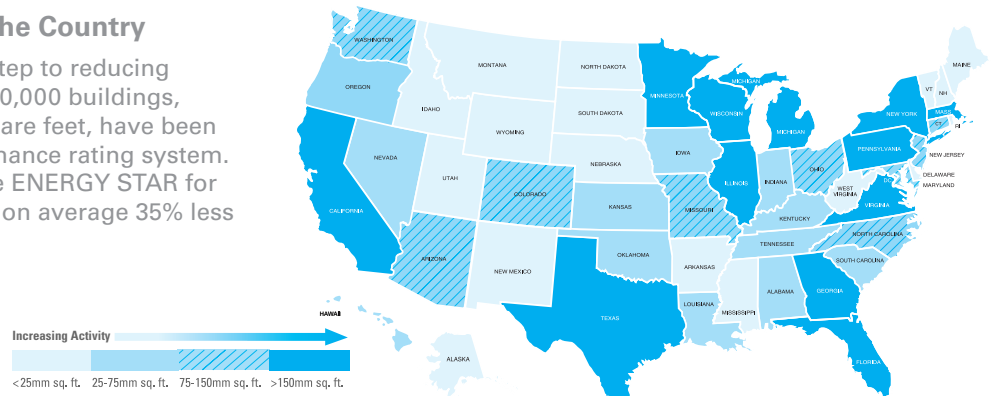
States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

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.