

Missouri



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

Benefits

- Missouri businesses and residents will save more than \$2 billion through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in Missouri already made through ENERGY STAR will prevent the emissions of 4 million metric tons of greenhouse gases, equivalent to eliminating the emissions from 3 million vehicles.
- If Missouri organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 4-fold.

Highlights

- Missouri is home to more than 120 companies and public entities participating in ENERGY STAR, about 15% of which are small businesses. Others include:
 - 2 local governments
 - 4 school districts
 - 23 manufacturers of ENERGY STAR qualified products
 - 35 companies that build, provide 3rd-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 600 locations across the state.
- ENERGY STAR qualified homes are offering Missouri families greater savings and comfort than those built to code.
- More than 520 buildings (over 79 million square feet) in Missouri have been rated for energy efficiency using EPA's energy performance rating system.
- 17 buildings have earned the ENERGY STAR for superior efficiency, including 3 schools, 8 supermarkets, 1 hospital, and 5 office buildings. These buildings typically use 35% less energy than average buildings.
- Missouri is bringing energy efficiency to its residents by participating in the ENERGY STAR *Change a Light, Change the World* campaign.
- AmerenUE-Missouri offers rebates to customers who install an ENERGY STAR qualified furnace or programmable thermostat. In 2005, this utility also sponsored the ENERGY STAR Refrigerator Rebate and Recycling program, to increase the market share of energy-efficient refrigerators within greater St. Louis, Jefferson City, and Cape Girardeau.
- The state-leased building in Jefferson City (housing several Department of Natural Resources offices) became the first state government building in Missouri to earn an ENERGY STAR label.
- In 1999, the University Hall and the General Services Building at the University of Missouri at Columbia were the first office buildings on any university campus to earn the ENERGY STAR for superior performance.

Examples of ENERGY STAR Partners Protecting the Environment

University of Missouri at Columbia

"University of Missouri-Columbia (MU) has emerged as a leader in the area of campus energy conservation. This outstanding stewardship of MU's energy resources has been recognized nationally and internationally. For example, EPA has twice awarded MU the ENERGY STAR Partner of the Year, and the International District Energy Association recently awarded MU their System of the Year."

- Ken Davis, Assistant Director of Energy Management

- Savings on utility bills are now \$3.8 million annually, totaling about \$24 million since 1990.
- Established the Energy Conservation Program with a goal of reducing energy costs by 1% annually. Average annual energy cost reduction has been 1.6% since program inception.
- Upgraded lighting and HVAC systems, installed an energy management control system, and continues to use ENERGY STAR qualified products and energy management tools.
- The Energy Conservation Program has reduced energy use per square foot by 16% since 1990, while the size of the campus increased by almost 60%.

Key ENERGY STAR Partners

Transforming the Residential Market

- 25 companies are building ENERGY STAR qualified homes; 4 of these firms have committed to making 100% of their new homes ENERGY STAR.
- The most active home builders in Missouri are Stitt Energy Systems, Inc., H-R Construction 1, LLC, Lloyd Built Homes, LLC, and Camper Development, LLC.
- The most active manufactured home builders are Fuqua Homes and Clayton Homes Inc.
- Energy and Environmental Ratings Alliance and Hathmore Technologies, LLC, are actively promoting ENERGY STAR qualified homes.
- Missouri contractors participate in Home Performance with ENERGY STAR, which offers a comprehensive, whole-house approach to improving energy efficiency and comfort at home, while helping to protect the environment.

St. Francis Hospital and Health Services

- Saved more than \$800,000 in utility costs in the past 5 years.
- Improvements included upgrading boilers, phasing out T-12 lamps, and installing a high-efficiency cooling tower.
- In one year, improved the efficiency rating of the hospital from 51 to 91, out of a possible 100, in EPA's energy performance rating system.
- Continually trains staff on best maintenance and equipment use practices.
- Recent upgrades include a new air handling system for medical surgery, additional high-efficiency cooling towers, safety valves, and a water treatment system.



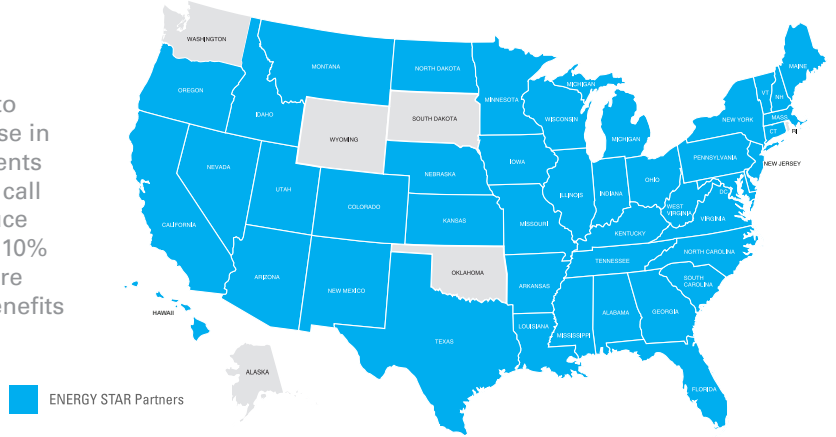
Goody, Goody Restaurant

- Assessed its energy use with EPA's energy performance rating system through its utility, Union Energy, and identified areas for improvement and savings.
- Installed energy-efficient lighting and motion sensors in the 3,200 square foot restaurant and saves \$1,300 in energy costs annually. Recovered the investment through lower utility bills in only 18 months.
- Achieves annual energy savings of more than 17,000 kWh.

How States are Working with ENERGY STAR

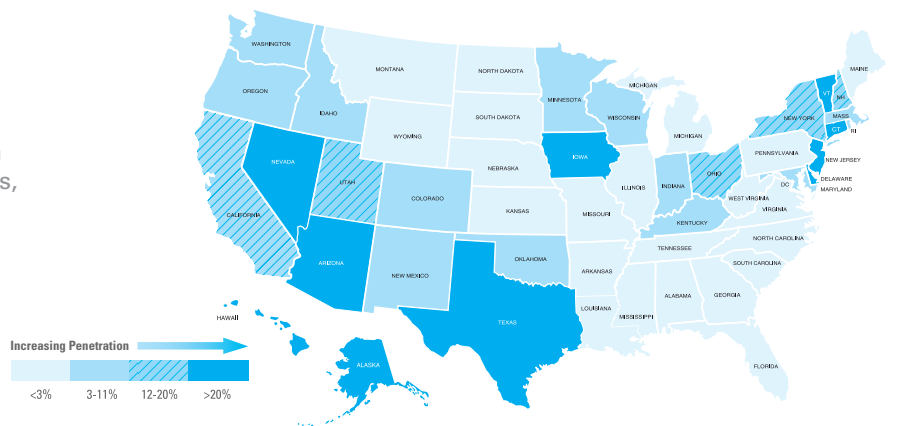
ENERGY STAR State Partners

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.



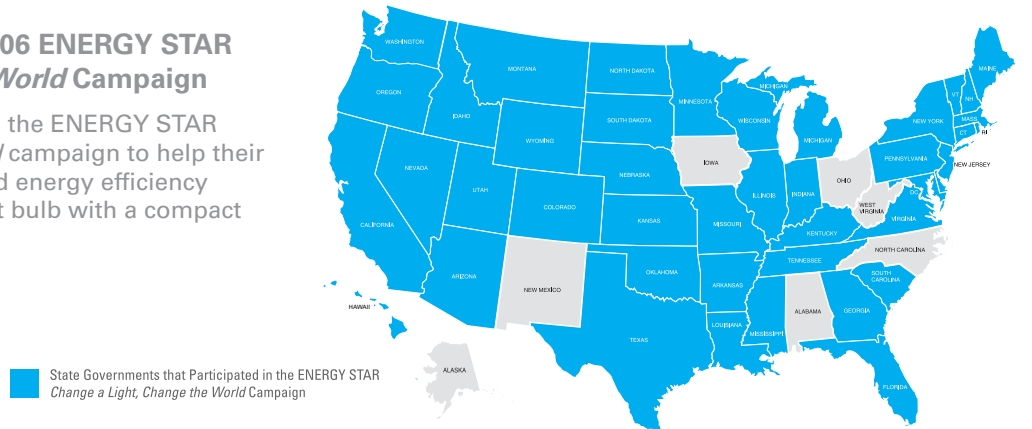
ENERGY STAR Qualified New Homes Gaining Market Share

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%.



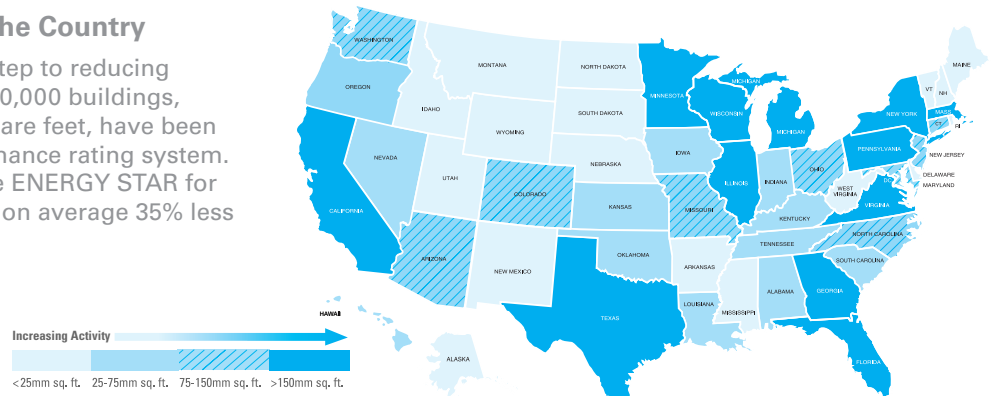
States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

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.