

# South Dakota



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

### Benefits

- South Dakota businesses and residents will save more than \$230 million through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in South Dakota already made through ENERGY STAR will prevent the emissions of 580,000 metric tons of greenhouse gases, equivalent to eliminating the emissions from 380,000 vehicles.
- If South Dakota organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 4-fold.

### Highlights

- South Dakota is home to 11 companies and public entities participating in ENERGY STAR. They include:
  - 1 small business
  - 2 school districts
  - 3 manufacturers of ENERGY STAR qualified products
  - 2 companies that build, provide 3rd-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 70 locations across the state.
- ENERGY STAR qualified homes are offering South Dakota families greater savings and comfort than those built to code.
- About 50 buildings (over 5 million square feet) in South Dakota have been rated for energy efficiency using EPA's energy performance rating system.
- 14 buildings have earned the ENERGY STAR for superior efficiency, including 11 schools and 3 office buildings. These buildings typically use 35% less energy than average buildings.
- South Dakota is bringing energy efficiency to its residents by participating in the ENERGY STAR *Change a Light, Change the World* campaign.
- The Governor proclaimed October 4, 2006, as ENERGY STAR Change a Light Day and encouraged every household in South Dakota to participate in the 8th annual Change a Light Day event on October 3, 2007.

## Examples of ENERGY STAR Partners Protecting the Environment

### Yankton Public Schools

*"We are continuing our commitment to environmentally friendly buildings and the ENERGY STAR program in 2007. Plans are under way to convert another gym to more energy-efficient fixtures. We continue our pledge to the Change a Light program sponsored by ENERGY STAR. Yankton School District's commitment to using green-friendly products has been elevated, and we look forward to continuing as an ENERGY STAR recognized facility."*

- Chuck Turner, Buildings & Grounds Supervisor

- ENERGY STAR partner since 1999.
- Saved more than \$500,000 in energy costs in the past 7 years.
- 5 of the district's schools have earned the ENERGY STAR label for superior energy efficiency.
- Used a performance contract with energy services provider Johnson Controls to replace old ballasts and lamps.
- Converted steam boilers to more efficient hot water systems at 3 elementary schools and a middle school.



### ENERGY STAR Labeled Buildings in South Dakota

- Beadle Elementary, Yankton
- C.C. Lee Elementary, Aberdeen
- Federal Building, Aberdeen
- HSBC, Sioux Falls
- Lincoln Elementary, Aberdeen
- Lincoln Elementary, Yankton
- May Overby Elementary, Aberdeen
- O.M. Tiffany Elementary, Aberdeen
- Simmons Elementary, Aberdeen
- Stewart Elementary, Yankton
- U.S. Courthouse, Sioux Falls
- Watertown Middle School, Watertown
- Webster Elementary, Yankton
- Yankton Middle School, Yankton

### Key ENERGY STAR Partners Transforming the Residential Market

- Deffenbaugh Homes is building ENERGY STAR qualified homes in South Dakota.
- Energy and Environmental Ratings Alliance is actively promoting ENERGY STAR qualified homes.

### SPM Thermo-Shield, Inc.

- Manufactures an ENERGY STAR qualified non-toxic roofing panel reflective coating that reduces heat transfer by 66%.
- Use of the company's reflective coating reduces cooling costs in summer and heating costs in winter, saving customers up to 40% on their energy bills.

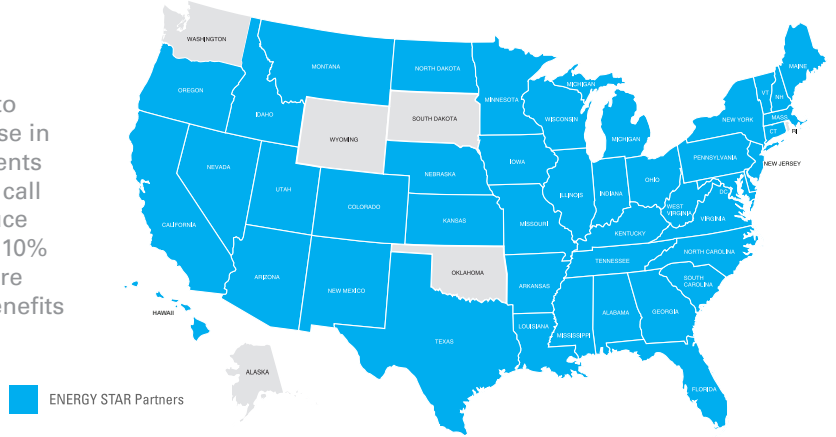
### Watertown Middle School

- Turned a poor performing building into one of the most energy-efficient buildings in the school district with the collaboration of Johnson Controls.
- Upgraded the HVAC system, converted roof top units to a boiler system, and improved facility lighting.
- Earned the ENERGY STAR label for superior energy performance with a rating of 79, out of a possible 100.
- Energy and operational savings continue to exceed expectations.

# How States are Working with ENERGY STAR

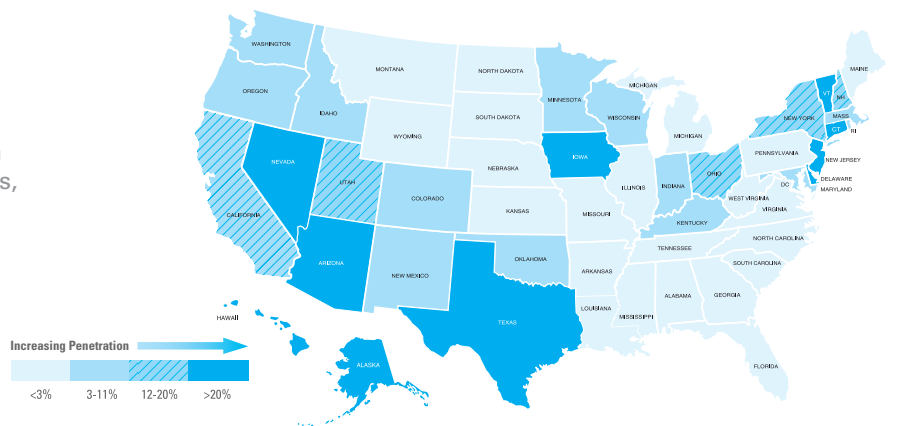
## ENERGY STAR State Partners

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.



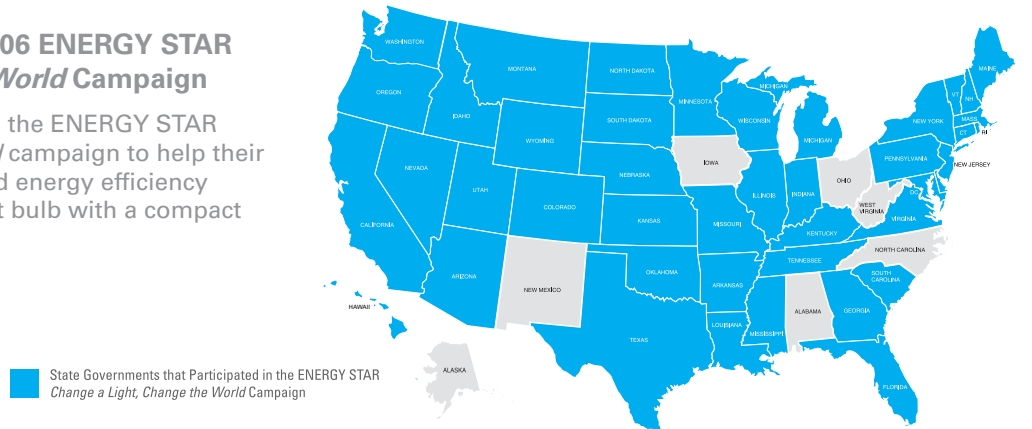
## ENERGY STAR Qualified New Homes Gaining Market Share

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%.



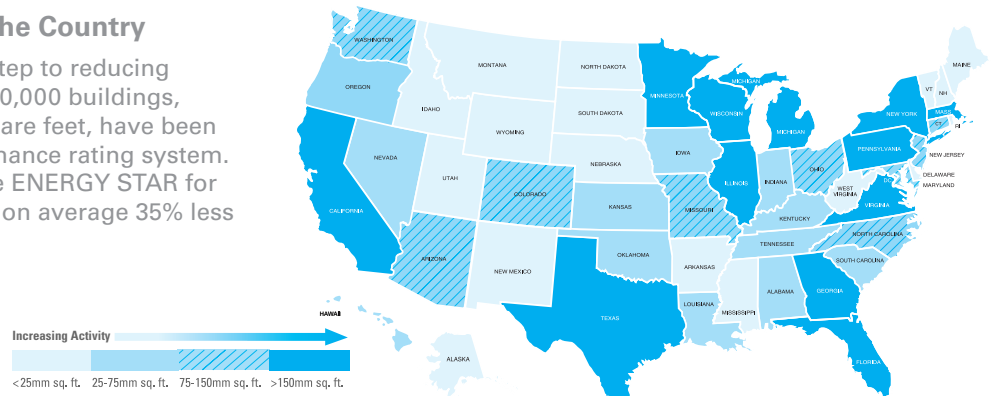
## States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

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).*