



# California



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

### Benefits

- California businesses and residents will save more than \$14 billion through investments already made in ENERGY STAR qualified products, homes, and buildings.
- The investments in California already made through ENERGY STAR will prevent the emissions of 30 million metric tons of greenhouse gases, equivalent to eliminating the emissions from 20 million vehicles.
- If California organizations and consumers pursued all opportunities for profitable energy efficiency improvements through ENERGY STAR, current savings could grow 3-fold.

### Highlights

- California is home to more than 750 companies and public entities participating in ENERGY STAR, about 10% of which are small businesses. Others include:
  - 15 local governments and 19 school districts
  - Close to 190 manufacturers of ENERGY STAR qualified products
  - More than 200 companies that build, provide 3rd-party testing of, or promote ENERGY STAR qualified homes
- Consumers can purchase ENERGY STAR qualified products at some 2,100 locations across the state.
- About 110,000 California homes have earned the ENERGY STAR and offer families greater savings and comfort than those built to code.
- More than 3,200 buildings (over 600 million square feet) in California have been rated for energy efficiency using EPA's energy performance rating system. This represents about 10% of all buildings that have been rated nationwide.
- Some 800 buildings have earned the ENERGY STAR for superior efficiency, including 319 schools, 38 supermarkets, 58 hotels, 6 hospitals, and 465 office buildings.
- California 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.
- Qualified California taxpayers are eligible to receive a tax credit for the construction of a new, or purchase of an existing, ENERGY STAR qualified home. In addition, products that meet or exceed ENERGY STAR guidelines are tax exempt during specified periods.
- The California Governor's Green Building Action Plan directs state agencies to reduce energy consumption by leasing only ENERGY STAR rated office space, benchmarking all state-owned buildings, and purchasing or operating ENERGY STAR qualified electrical equipment.
- In September 2005, the California Public Utilities Commission (CPUC) authorized energy efficiency plans for the state's utilities, along with \$2 billion in funding for 2006-2008, including rebates of up to \$600 for ENERGY STAR qualified home appliances.
- The California Energy Commission's ENERGY STAR Residential Fixture Project aims to develop and market ENERGY STAR qualified fixtures. The project's first year goal is to sell 20,000 new ENERGY STAR fixtures, which will save California consumers in excess of 2 million kWh per year and approximately one megawatt of electric demand.

# Examples of ENERGY STAR Partners Protecting the Environment

## California Portland Cement Company (CPC)

- Achieved impressive energy savings when it instituted a corporate-wide energy management program. For example, in 2006, CPC saved 22.4 billion British thermal units (Btus), equivalent to powering about 3,000 American homes.
- Key strategies included investments in new energy-efficient plant technologies, broad employee energy education, and benchmarking plant efficiency using the ENERGY STAR cement plant energy performance indicator.
- Two of CPC's three plants scored in the top quartile of energy use for cement plants nationally in 2006.

## San Diego Unified School District

- Saved close to \$12 million per year, more than \$90 million in total since 1995 through energy efficiency improvements.
- 161 of the district's educational facilities have earned the ENERGY STAR.
- Assessed the energy performance of 80% of its buildings using ENERGY STAR's Portfolio Manager.
- Has been recognized as an ENERGY STAR Leader for improving the performance of its entire portfolio by more than 10%.

## Pacific Gas and Electric Company (PG&E)

*"We know that energy efficiency is the most effective and lowest cost strategy to combat climate change. We appreciate the many opportunities we've had to partner with ENERGY STAR over the past 15 years to help our customers save energy and money and reduce greenhouse gas emissions."*

- Helen Burt, Senior Vice President and Chief Customer Officer

- PG&E's energy efficiency programs include rebates for energy-efficient equipment (including many ENERGY STAR products), financial incentives, training and education, building and appliance codes and standards advocacy, and support for emerging technologies.
- More than 35,000 new homes have qualified under PG&E's ENERGY STAR New Homes Program since 2002.
- PG&E's energy efficiency programs have saved customers \$9.9 billion and prevented the emissions of more than 125 million tons of carbon dioxide (CO<sub>2</sub>) since 1976.

## Key ENERGY STAR Partners Transforming the Residential Market

- As a percentage of single family, site-built housing starts, market penetration in California for ENERGY STAR new homes is greater than 20% (national average is 12%).
- 160 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 California are Pulte Homes OCSR Division, Pulte Homes - Northern California Division, D.R. Horton, Inc., Shea Homes, The Irvine Company, KB Home Coastal, Pardee Homes - Los Angeles, Pardee Homes - San Diego, Centex Homes, and Del Webb.
- The most active manufactured home builders are FountainGlen Properties, L.P. and Western Homes Corp.
- California Home Energy Efficiency Rating Services, ConSol, Southern California Gas Company, Pacific Gas and Electric Company, and Southern California Edison Company are actively promoting ENERGY STAR qualified homes.
- California 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.

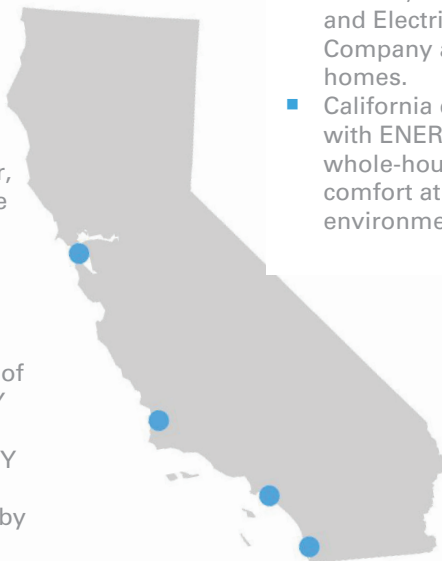
## Douglas, Emmett & Company

- Increased energy efficiency in the office buildings it manages by 6%.
- Measured the energy performance of 43 buildings and demonstrated overall top performance with an average rating of more than 75.
- Earned the ENERGY STAR for 14 office buildings.
- Has been recognized as an ENERGY STAR Leader for improving the performance of its entire portfolio by more than 10%.

## Recent ENERGY STAR Partner of the Year Winners

- Bosch Home Appliances
- California Portland Cement Company
- D.R. Horton, Inc. - Sacramento Division
- Pardee Homes
- San Diego Unified School District
- State of California Investor-Owned Utilities

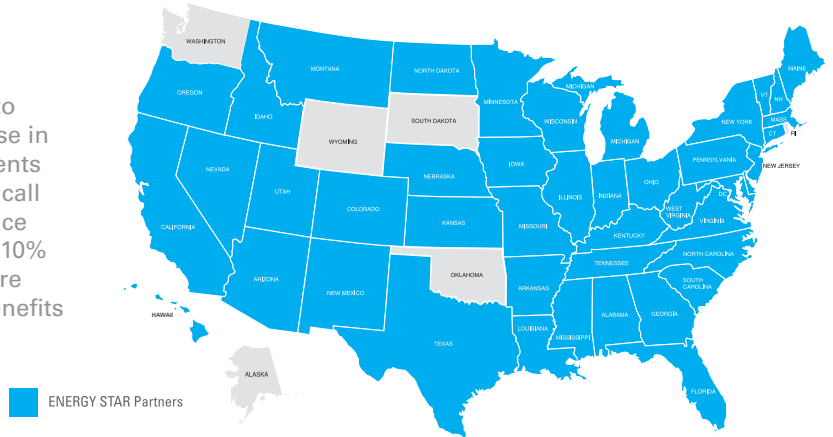
For more information on these Partners of the Year, go to [www.energystar.gov](http://www.energystar.gov)



# How States are Working with ENERGY STAR

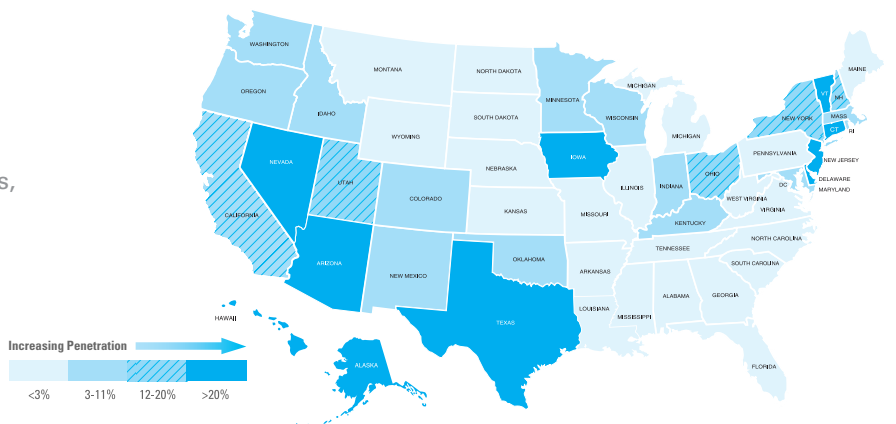
## ENERGY STAR State Partners

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.



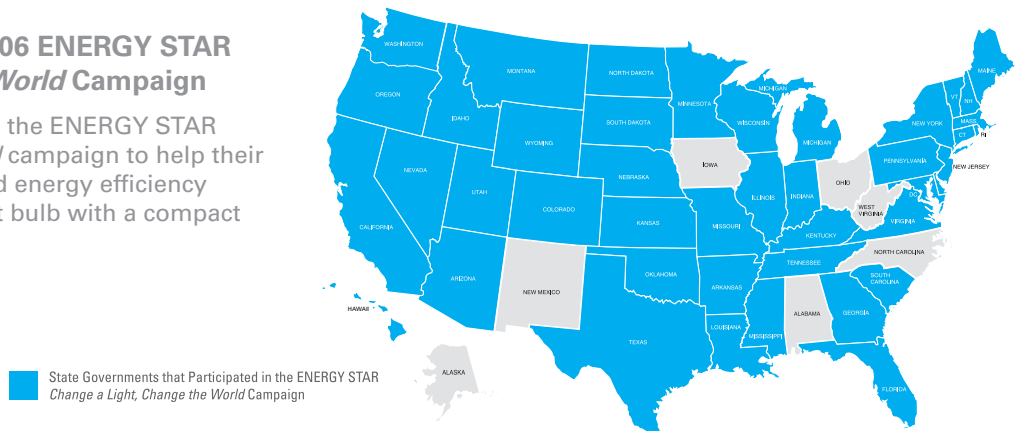
## ENERGY STAR Qualified New Homes Gaining Market Share

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%.



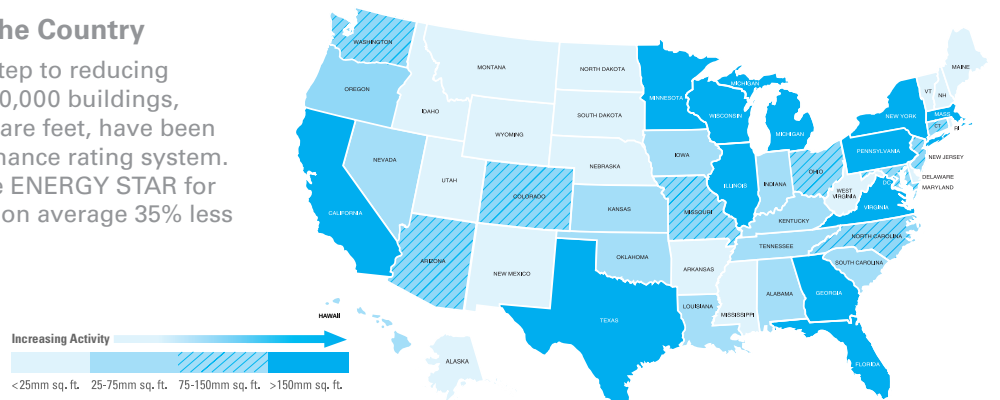
## States Participating in the 2006 ENERGY STAR Change a Light, Change the World Campaign

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](http://www.energystar.gov).*