

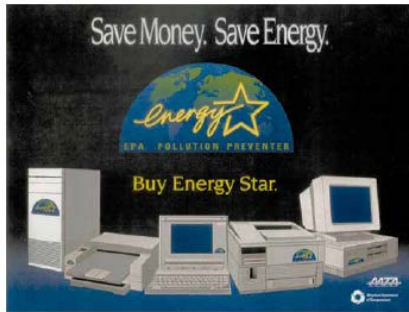
Federal Perspectives on Energy Efficiency: **US EPA's ENERGY STAR** **Program**

Exploratory Meeting: ANSI Energy Efficiency Standards Panel



Learn more at energystar.gov

Twenty Years Ago...



1992 - ENERGY STAR Qualified Computers & Monitors Introduced



2012 - Over 20,000 organizations actively involved



Today



ENERGY STAR promotes energy efficiency in:

- Consumer, commercial & office products
- Homes & Home Improvement
- Commercial & Institutional Buildings
- Industrial Plants

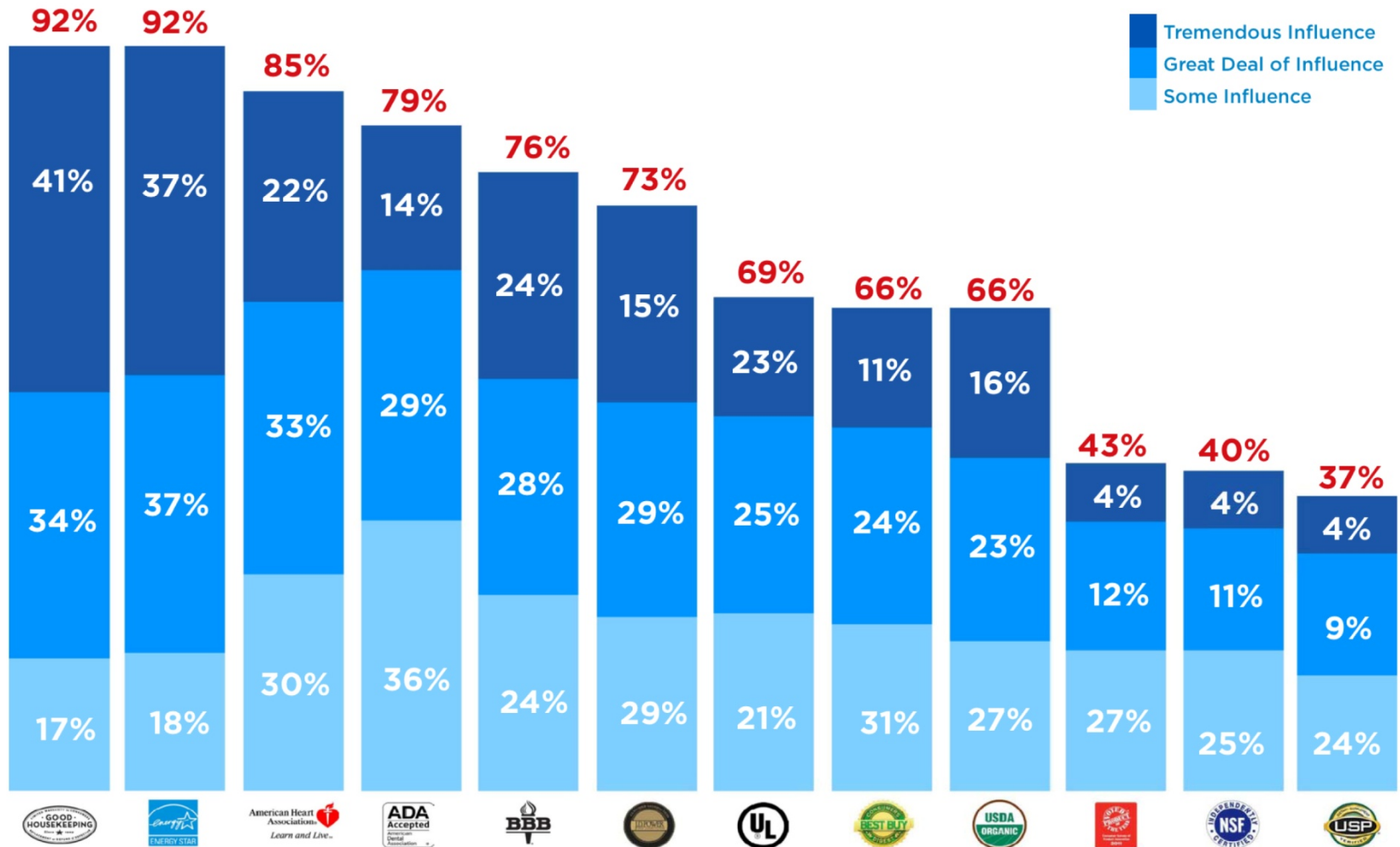


With ENERGY STAR, Americans have:

- Saved nearly \$230 billion on utility bills
- Prevented over 1.7 billion metrics tons of GHG emissions



National EE Brand



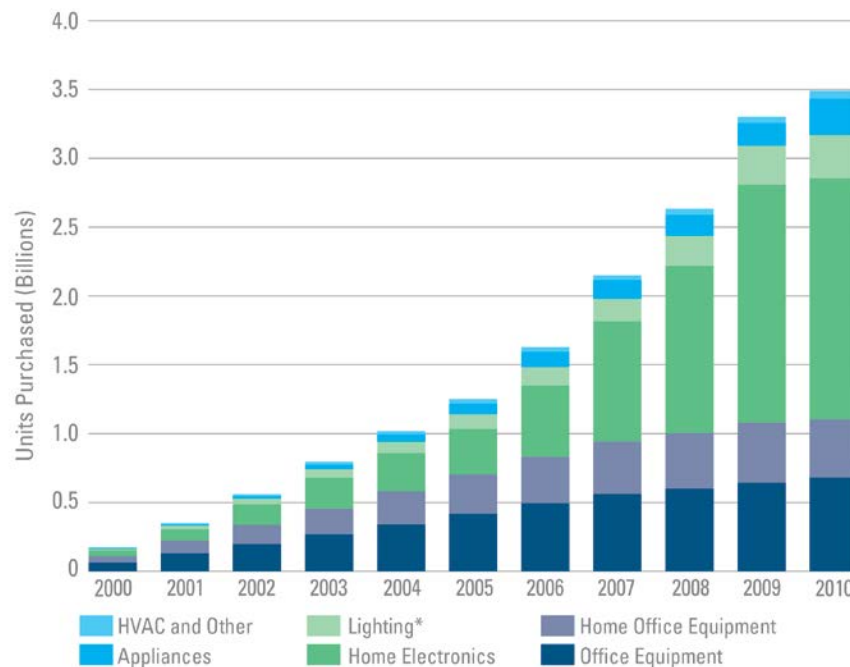
SOURCE: Fairfield Research, July 2011

Products



- Energy efficiency specifications
- 60 categories
- New verification process that uses ISO 17025 & Guide 65
- ~200 Million ENERGY STAR qualified products purchased in 2010 (US)
- ~ 3.5 billion products purchased since 2000
- ENERGY STAR used internationally

Almost 3.5 Billion ENERGY STAR Qualified Products Purchased Since 2000

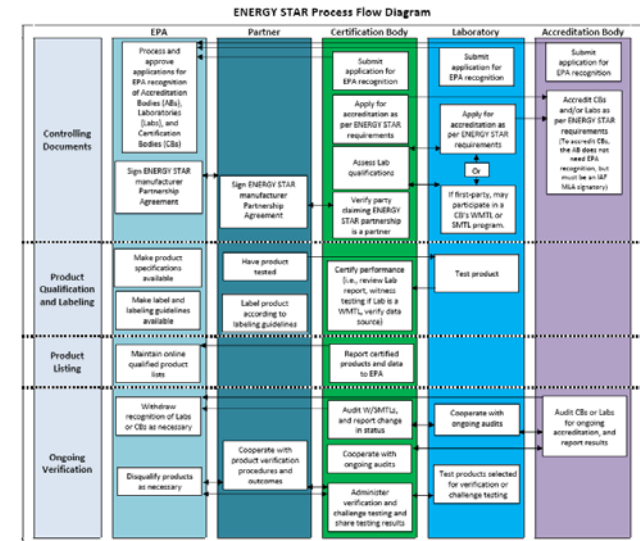


**Lighting category does not include purchases of compact fluorescent bulbs.*

Products Priorities

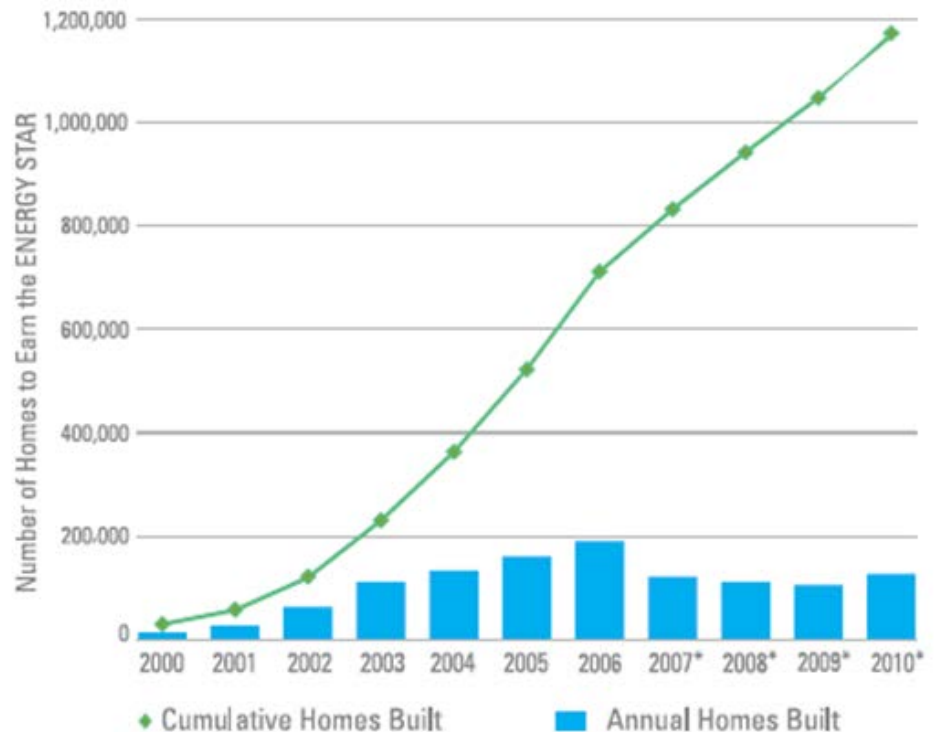


- Maintaining strong brand.
- Increasing reviews / updates to ENERGY STAR criteria to 2 - 3 years depending on product category and market conditions.
- Overseeing verification (post-market) testing in all product categories.
- Developing new specs for targeted products.
- Exploring “Most Efficient”



Homes Program

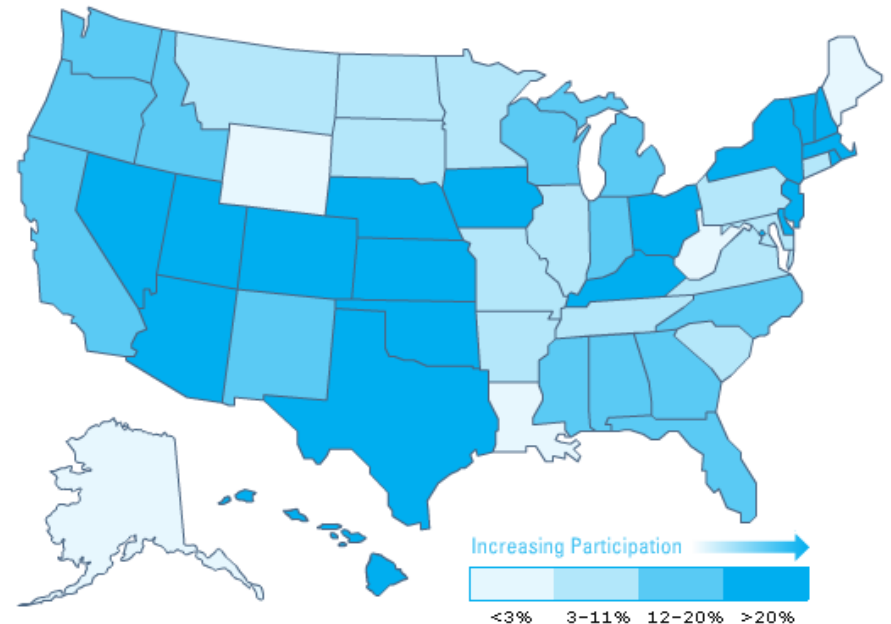
- ENERGY STAR began certifying new homes in 1995
- 1.3 million ENERGY STAR certified homes built to-date
 - ~127,000 in 2011 alone
- New 'Version 3' program requirements became effective on January 1, 2012



Home & Residential Priorities

- Maintain and increase ENERGY STAR partner base for new homes program (builders, raters, sponsoring utilities)
- Reinforce the quality, durability, and comfort benefits of the new v3 program requirements
- Provide technical and marketing support for ENERGY STAR partners implementing v3
- Provide homeowners with unbiased information and tools to help them improve efficiency of their existing homes.

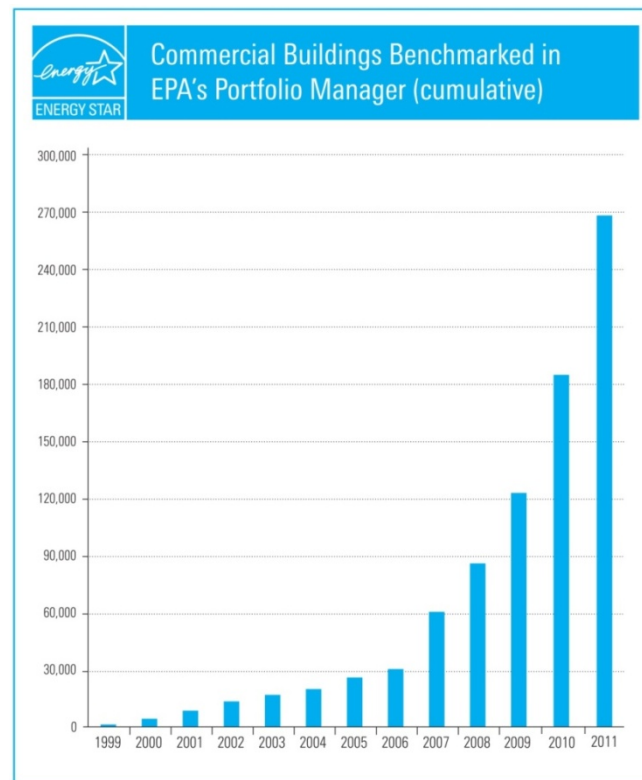
2010 Market Share for ENERGY STAR Certified Homes by State



Commercial & Intuition Buildings



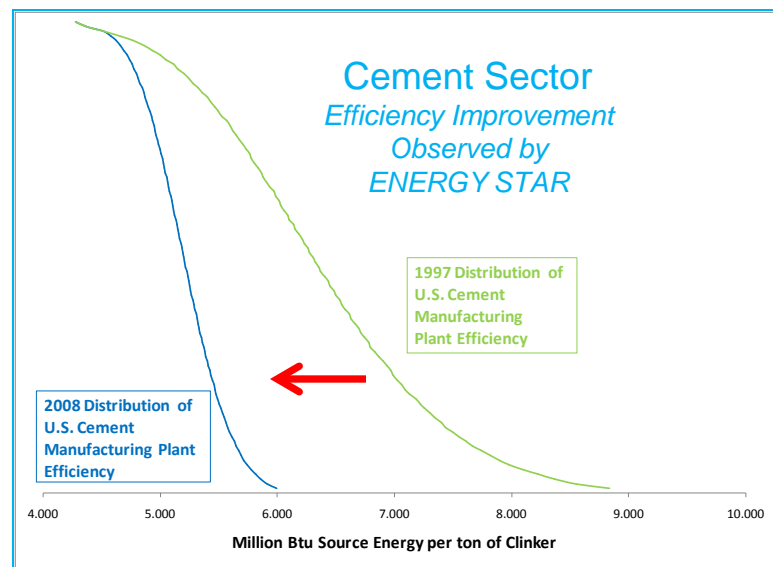
- Promoting whole building energy performance since 1995.
- 15 Building Energy Performance Ratings.
- 17,000+ Certified Buildings.
- 250,000+ buildings tracked & benchmarked in Portfolio Manager.
- Portfolio Manager widely adopted & referenced.



Industrial Plants & Sites



- Working with industrial sectors & manufacturers since 2000.
- 24 Industrial Focuses & over 700 corporations involved.
- 10 Industrial Plant Energy Performance Ratings
- 111 Certified Plants.
- Over 500 Plants taken ENERGY STAR Challenge for Industry

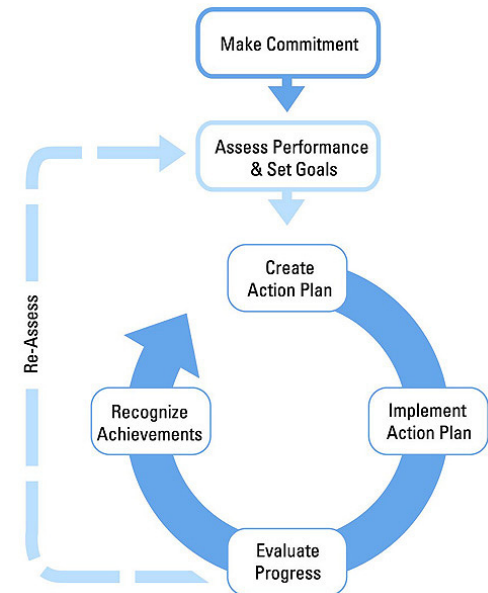


Commercial & Industrial Priorities



- Continue to promote energy management best practices.
- Expand performance ratings and updating existing ratings.
- Expand Portfolio Manager capabilities.
- Provide resources to integrate energy efficiency into organizational culture.
- Inspire & empower people to take action.

ENERGY STAR Guidelines for Energy Management



Summary



- Make saving energy an automatic feature of rapidly evolving new technologies and building systems
- Preserve high quality performance—critical for both consumer and environmental benefits
- Maintain ENERGY STAR as credible source for energy savings information for homes and businesses
- Capture new products and more buildings & plant types.
- Explore international coordination in new areas.
- Support state and local policies and programs.
- Empowering people to make informed and easy choices that protect the environment.

Involvement with Standards

- ENERGY STAR references or incorporates standards when possible:
 - ENERGY STAR HVAC Quality Installation program requirements mirror ANSI /ACCA QI 5
- ENERGY STAR consulted ANSI to establish a process for third party certification for ENERGY STAR qualified products.
- ENERGY STAR Homes Program is supportive RESNET work to develop ANSI approved Home Rating Standards.
- ENERGY STAR participates on the ANSI led US TAG for TC 242 (ISO 50001) related to energy management standards and sub-parts.