



# Status of the ENERGY STAR® Program and Look to the Future

Peter Banwell  
US EPA  
October 6, 2010



Learn more at [energystar.gov](http://energystar.gov)

# Thank You to Our Sponsors



**Sears**



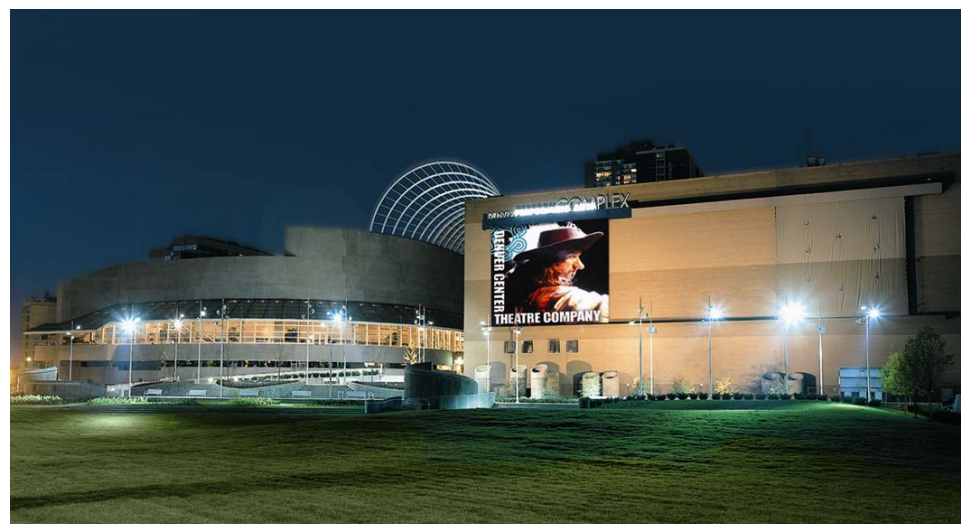
 **Electrolux**



# Today's Refreshment & Reception Sponsors



- Refreshment sponsors
  - Best Buy, Samsung Electronics - breakfast
  - GE
  - Whirlpool Corporation
  - Bosch Home Appliances



Denver Performing Arts Complex • Photo by Ed Blandon

- Reception sponsor
  - Sears Holdings Corporation
  - The Denver Center for Performing Arts (6:45 pm)

# Logistics for Planning Your Day

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- Marketing Summits by invitation only
- Three session tracks throughout the day
  - Campaign
  - Appliances/Water Heaters
  - Electronics
- Exhibit Hall and Networking Rooms open

# Session Overview

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## Topics:

- ENERGY STAR Program Update
- DOE Testing Program
- National Campaign Updates
- New Homes V3 Specification

## Presenters:

*Peter Banwell, EPA*

*Richard Karney, DOE*

*Jill Vohr, EPA*

*Sam Rashkin, EPA*

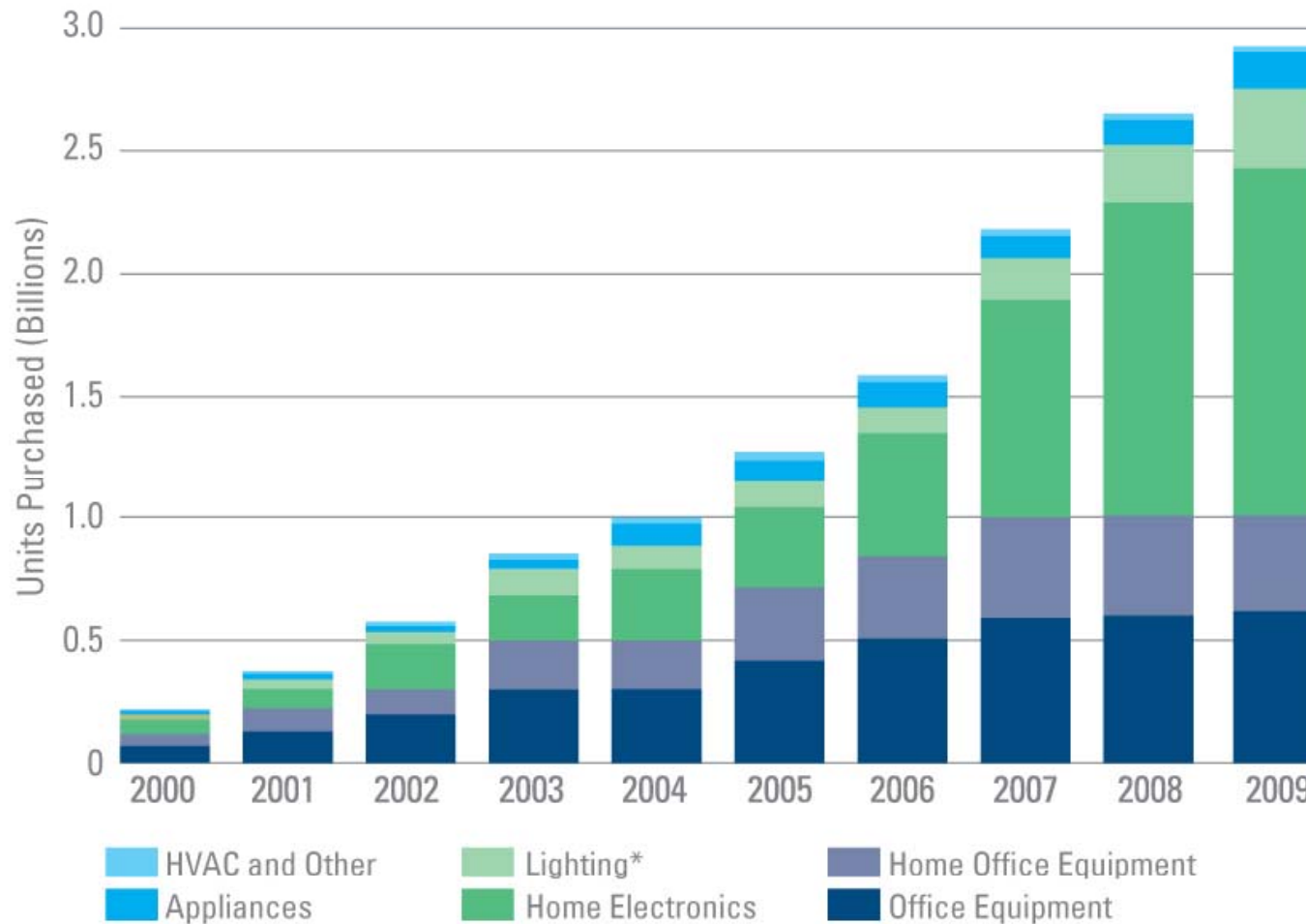
# ENERGY STAR Priorities: 2010 and Beyond

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- Preserve consumer confidence
  - Protect substantial private/public investment
- Maintain relevancy and value
  - Keep up with technological and market advances
  - Top Tier offering
- Seamless transition to new EPA/DOE program roles
  - Partner support

# ENERGY STAR Success



\*Compact fluorescent bulbs are not included in the number of ENERGY STAR qualified products purchased.

# New Qualification and Verification Process



- Third-party certification of product performance prior to labeling
- Effective for new products by year end





# New Qualification and Verification Process

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- Recognized laboratories
  - Perform product testing subject to certification body review
- Certification bodies
  - Certify test data from products tested in EPA-recognized labs
  - conduct verification and challenge testing after qualification
- Accreditation bodies
  - Independent oversight of laboratory and certification body performance and objectivity
- Requirements leverage existing standards and developed through stakeholder process
  - AB, Lab requirements finalized June 2010
  - CB requirements finalized August 2010
  - Available at [www.energystar.gov/testingandverification](http://www.energystar.gov/testingandverification)

# Prospective Program Participants



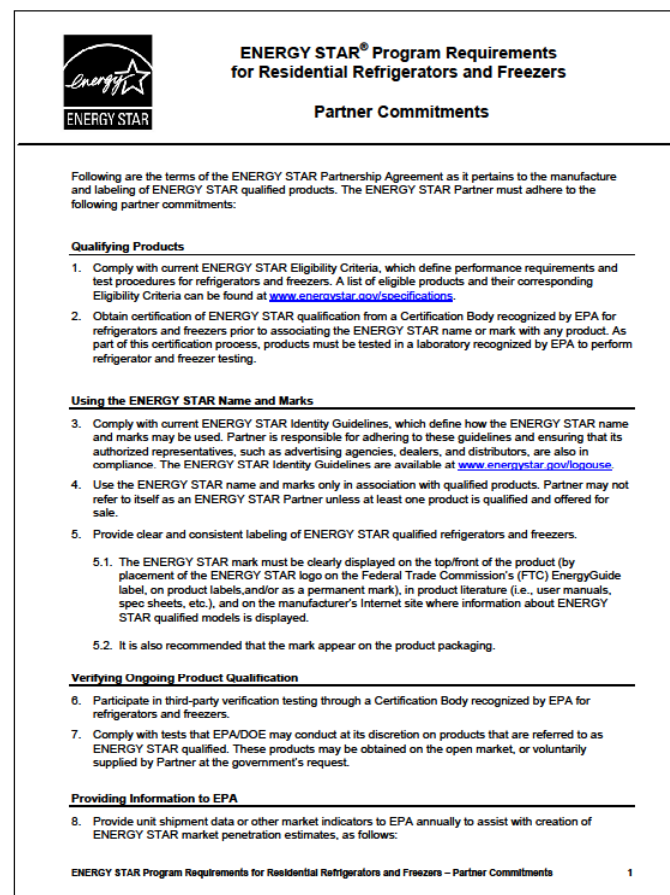
- Accreditation Bodies
  - 15 to date including A2LA, ANSI, SCC
- Certification Bodies (likely)
  - UL, Intertek, CSA
  - AHRI, AHAM



# New Partner Commitment Documents



- Standardization of all existing agreements
- Product specifications refined for ease of implementation
- Proposed changes out for stakeholder review; finalize mid-October
- Partners to re-commit starting in November



# ENERGY STAR Plans: New Products



- Climate Controls
- Data Center Storage
- Dryers
- Game Consoles
- Lab Grade Refrigeration
- Pre-rinse Spray Valves
- Pumps
- Small Network Equipment
- Uninterruptible Power Supplies

- Key Initiatives
  - Smart Grid/Smart products
  - Life-cycle Carbon Assessment



# ENERGY STAR Plans: Specification Revisions



- Appliances & Water Heaters

- Clothes Washers
- Dehumidifiers
- Dishwashers
- Refrigerators/Freezers
- Room AC
- Water Heaters



- Lighting

- Luminaires
- Lamps
- Ceiling Fan Light Kits
- Ventilating Fans



- Electronics

- Audio/Video
- Battery Charging Systems
- Computers
- Displays
- Imaging Equipment
- Servers
- Televisions



\* HVAC, CFS and Other revisions not included here.

# ENERGY STAR Plans: Scoping



- Appliances
  - Counter Top Appliances
  - Ranges
- Electronics
  - Data Center Infrastructure
  - Home Storage
  - Large Network Equipment
  - Projectors
- CFS/HVAC/Other
  - CFS Exhaust Fans
  - Commercial Clothes Washers
  - Energy Storage LCHVAC
  - Garage Door with Light Kit
  - Gas Fired Heat Pumps
  - Home Energy Monitors/Controls
  - Hospital Imaging Equip.
  - PTAC
  - Security Systems
  - Spa Baths

# Top Tier

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- Proposal out Sept 30
- Recognize top performing products within ENERGY STAR
- Under evaluation now

# Top Tier – Visual Options



Option 1



Option 2



Option 3



Option 4  
EPA



Option 5



Option 6



# Top Tier – Naming Options



**Option 1**



**Option 2**



**Option 3**



**Option 4**



**Option 5**



**Option 6**

# EPA and DOE Roles



## EPA: Brand Manager

- New products
- Performance levels
- Marketing & outreach
- Monitoring & verification
- Product database

## DOE: Technical Support

- Federal test procedures
- Metrics
- Monitoring & verification