



ENERGY STAR® OVERVIEW OF 2015 ACHIEVEMENTS



AMERICANS MAKE THE SIMPLE CHOICE FOR SAVING ENERGY

Energy efficiency is a proven path to a prosperous 21st century economy built on technologies and practices that save energy, save money, and protect a healthy environment. ENERGY STAR is the flagship example of how sound science and smart policy can leverage the ingenuity of the marketplace to deliver cost-effective energy efficiency solutions. Since the U.S. Environmental Protection Agency (EPA) introduced the ENERGY STAR program more than 20 years ago, the program has become a trusted resource for consumers and businesses across the country.

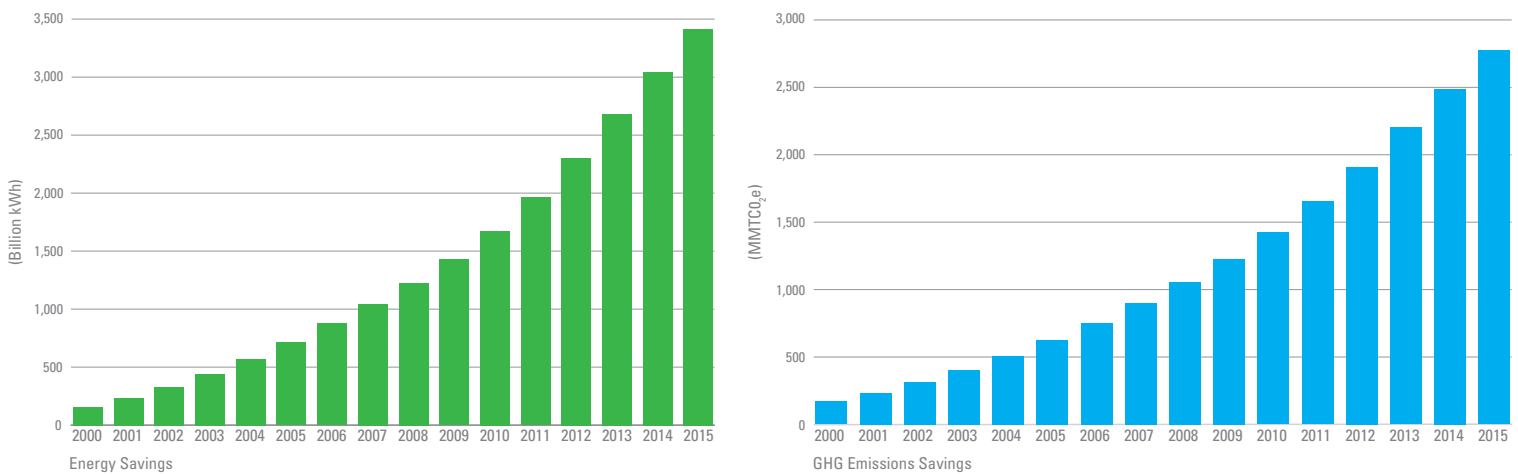
Today, with brand recognition at more than 85%, ENERGY STAR is a widely recognized symbol for energy efficiency, helping families and businesses save \$430 billion on utility bills, while reducing greenhouse gas (GHG) emissions by 2.7 billion metric tons since 1992 (see Fig. 1). Behind each blue label is a product, building, or home that is independently certified to use less energy and cause fewer of the emissions that contribute to climate change. After years of pioneering energy-efficient solutions, ENERGY STAR has become the simple choice for energy efficiency.

HIGHLIGHTS FOR 2015

In 2015, millions of consumers and more than 16,000 partners tapped the value of ENERGY STAR and achieved impressive results.

- Americans purchased over 300 million ENERGY STAR certified products across more than 70 product categories for a cumulative total exceeding 5.5 billion products.
- More than 82,000 new homes have earned the ENERGY STAR, bringing the total number of certified new homes to over 1.6 million.
- Among the 450,000 commercial buildings benchmarked using ENERGY STAR Portfolio Manager®, more than 27,000 have earned ENERGY STAR certification.

Fig. 1. ENERGY STAR Benefits Continue to Grow*



*All reductions in GHG emissions are reported in million metric tons of carbon dioxide equivalent (MMTCo₂e). Graphs reflect cumulative program benefits since the program began in 1992.



ENERGY STAR FOR PRODUCTS

As the simple choice for energy efficiency, ENERGY STAR makes it easy for consumers and businesses to purchase products that save them money and protect the environment. EPA remains focused on maintaining program integrity, while expanding ENERGY STAR's role as a trusted resource in the fight against climate change.

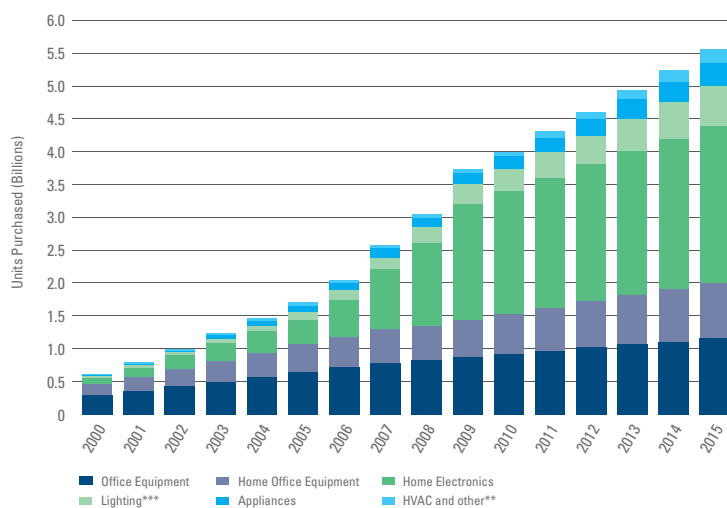
Certified Products. Americans purchased more than 300 million ENERGY STAR certified products in 2015 across more than 70 product categories for a cumulative total exceeding 5.5 billion products since 1992 (see Fig. 2). Today, more than 85% of the American public recognizes the ENERGY STAR label.

ENERGY STAR Most Efficient 2015. By the end of 2015, nearly 1,800 models from 144 manufacturers were recognized as the best of ENERGY STAR for energy efficiency and innovation. Categories included televisions, computer monitors, clothes washers, refrigerators, dishwashers, heating and cooling equipment, ventilation and ceiling fans, and windows. For a second year, the Agency rolled out geo-targeted, spot market promotions to raise awareness of ENERGY STAR Most Efficient among target consumers, resulting in more than 13.9 million impressions across three strategic markets—Boston, Sacramento, and Washington, DC.

ENERGY STAR Product Specifications. EPA updated performance requirements for room air conditioners, residential dishwashers, luminaires, lamps, displays, commercial fryers, and commercial ovens. Large network equipment was added to the program.

Third-Party Certification for ENERGY STAR Products. All products that earn the ENERGY STAR are subject to strict testing and certification requirements before they can carry the label. As of the end of 2015, there were more than 50,000 certified product models. A subset of products also is subject to verification testing administered by EPA-recognized certification bodies. In 2015, more than 1,700 products were tested through this type of monitoring, and EPA disqualified 55 models based on the results of this post-market testing. The program's emphasis on testing and third-party product review ensures that consumers can trust ENERGY STAR certified products to deliver the energy savings promised by the label.

Fig. 2. More than 5.5 Billion ENERGY STAR Certified Products Purchased Since the Program Began*



* Program began in 1992.

** Other category does not include roofing purchases.

*** Lighting category does not include purchases of light bulbs.

ENERGY STAR Day. In 2015, EPA culminated the Change the World, Start with ENERGY STAR campaign with a celebration of ENERGY STAR Day on October 27 featuring a national call-to-action for Americans to commit to saving energy and take the ENERGY STAR Pledge. Together with its partners, EPA ENERGY STAR spread the word through social media and drove traffic to the ENERGY STAR Day landing page throughout October, making the page one of the top-visited for that month. EPA also worked with its partner DIRECTV and Discovery Education to host a virtual field trip on ENERGY STAR Day for classrooms across the country, featuring EPA Administrator Gina McCarthy. The celebration culminated with a Twitter Party on ENERGY STAR Day encouraging people to share all the ways they are saving energy and protecting the planet. Through 2015, more than 3.3 million individuals took the ENERGY STAR Pledge to make energy-efficient changes at home, representing more than 8.2 MMTCO₂e in GHG emission reductions.

ENERGY STAR implemented a series of effective product promotions capitalizing on the energy-saving potential of choosing ENERGY STAR certified LED bulbs, upgrading to ENERGY STAR water heaters and pool pumps, and replacing and recycling refrigerators. The 2015 Flip Your Fridge campaign drew coordinated support from utility, retail, and manufacturer partners across the U.S., who encouraged Americans to "Flip Your Fridge" by recycling their old refrigerators and replacing them with new ENERGY STAR certified models. Leveraging both customer-segmented media through AARP, The Nest, and OwnerIQ and facilitating partner led, geo-targeted media through in-store product signage and digital outreach in markets with refrigerator and recycling rebates, the Flip Your Fridge promotion galvanized the market to amplify the message. Top that off with an LG / Best Buy-led media partnership with *The Ellen DeGeneres Show* resulting in two on-air segments featuring ENERGY STAR refrigerators and EllenTV.com promotions, Flip Your Fridge garnered more than 20 million impressions and nearly 20,000 pageviews of the energystar.gov/FlipYourFridge landing page from Earth Day to Memorial Day.

ENERGY STAR FOR RESIDENTIAL

Through ENERGY STAR, EPA works to increase the energy efficiency of the nation's new and existing housing stock to cost-effectively reduce GHG emissions, while lowering Americans' utility bills and improving the comfort of their homes.

ENERGY STAR Certified Homes Help Reduce GHG Emissions. More than 82,000 new homes earned the ENERGY STAR in 2015, bringing the total number of certified homes to more than 1.6 million (see Fig. 3). Since EPA began labeling new homes in 1995, American homeowners have saved over \$5.4 billion on their energy bills and reduced GHG emissions by more than 27 million metric tons. In 2015 alone, families living in ENERGY STAR certified homes saved in excess of \$625 million on their utility bills and prevented more than three million metric tons of GHG emissions. Homes certified under these requirements are at least 15% more efficient than those built to code¹ and include additional energy-saving features to deliver a performance advantage of up to 30% compared to typical new homes.

ENERGY STAR Certified Apartments in New Multifamily High-Rise Buildings. Since apartments in new multifamily high-rise buildings first became eligible to earn the ENERGY STAR label in 2011, more than 13,500 apartments have been certified in 152 buildings. These projects must meet EPA's energy efficiency requirements and are designed to be at least 15% more efficient than the building energy

¹ The national requirement is benchmarked to the 2009 International Energy Conservation Code (IECC). In states that adopt the 2012 or 2015 IECC, the program is benchmarked to be 15% more efficient than that code.

code. In 2015, more than 5,000 apartments in 58 multifamily high-rise buildings were certified. When combined with apartments in new multifamily low-rise buildings, more than 138,000 apartments have been certified to date.

Affordable Housing. In fiscal year 2015, more than 3,900 ENERGY STAR certified homes were built within the affordable housing sector using funding from the U.S. Department of Housing and Urban Development’s (HUD) HOME Investment Partnerships Program. More than 6,400 manufactured homes earned the ENERGY STAR label in 2015, for a cumulative total of 70,000. In addition, more than 14,000 ENERGY STAR certified homes have been built by Habitat for Humanity, including more than 1,000 homes built in 2015 by 131 Habitat for Humanity affiliates nationwide.

Home Performance with ENERGY STAR. In 2015, 89,000 Home Performance with ENERGY STAR (HPwES) projects were completed. HPwES is a systematic approach to improving energy efficiency. This work was performed by 45 locally sponsored programs and more than 1,600 participating contractors across the nation. Since the program’s inception, more than 500,000 projects have been completed. The HPwES program is administered by the U.S. Department of Energy, with support from EPA.

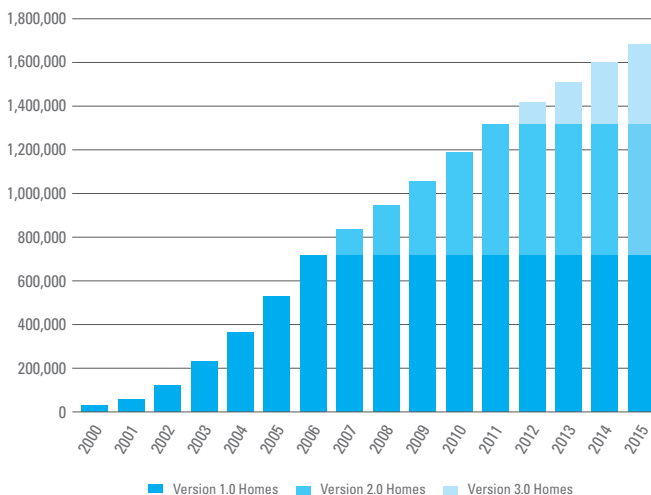
Energy Efficiency Guidance and Tools for Homeowners. In 2015, Americans visited the ENERGY STAR website more than 1.4 million times to find information about home efficiency improvements. They also used EPA’s Home Energy Yardstick and Home Energy Advisor tools to assess their homes’ energy use, get customized and prioritized recommendations to help reduce utility bills and improve comfort, and track their progress.

ENERGY STAR FOR BUSINESS

ENERGY STAR partners demonstrate practical and proven solutions to increase the efficiency of buildings and industrial plants and serve as examples for others to follow. More than 7,400 organizations have partnered with EPA to deliver GHG emissions reductions, advance their sustainability goals, and increase financial value through ENERGY STAR’s program for business.

Benchmarking Continues to Grow. By the end of 2015, more than 450,000 properties were benchmarked using ENERGY STAR Portfolio Manager® as a standard way to measure, track, assess, and report on the energy and water consumption across approximately 45% of the nation’s commercial building floor space (see Fig. 4). With an increasing number of organizations leveraging ENERGY

Fig. 3. More than 1.6 Million Homes Nationwide Have Earned the ENERGY STAR Label*



* Version 1.0 requirements were implemented from 1995-2006. In 2007 these were replaced with Version 2.0 requirements. The current Version 3.0 requirements were implemented starting in 2012.

STAR Portfolio Manager to implement their own climate policies, benchmarking energy use continues to be a standard practice in many buildings across the nation.

Multifamily Financial Institutions Recognize the Value of ENERGY STAR. Fannie Mae and HUD are offering financial incentives to owners of ENERGY STAR certified apartment buildings in the form of reduced loan rates and lower insurance premiums, while Freddie Mac is offering a discount on closing costs to owners that provide a valid ENERGY STAR 1-100 score as part of their loan documentation.

Cities Leading the Charge to Earn ENERGY STAR Certification. More than 27,000 buildings across America earned EPA’s ENERGY STAR certification by the end of 2015, saving nearly \$3.8 billion on utility bills. Los Angeles was the top city with ENERGY STAR certified buildings in 2009, and was the only city with more than 200 buildings. This year, all but one of the top 10 cities passed the 200 mark, with Washington, D.C. leading the way and Los Angeles maintaining second post.

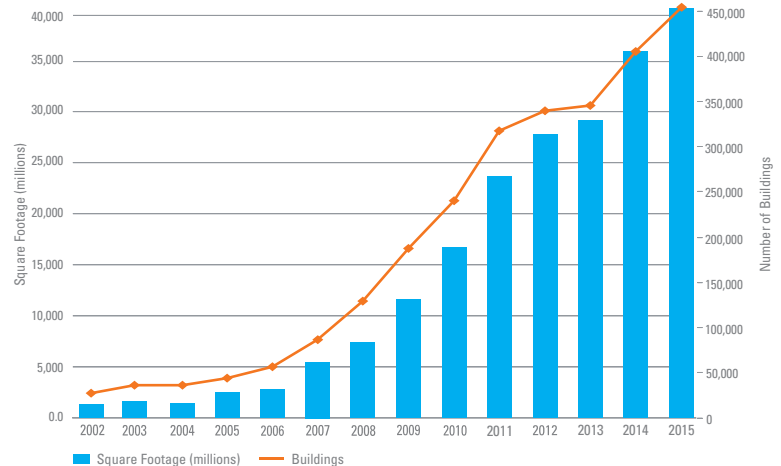
ENERGY STAR Battle of the Buildings Spurs Local Competitions. Built on EPA’s national ENERGY STAR platform, friendly competitions are being launched around the country to drive energy savings in places such as Michigan, Minneapolis, and Texas.

Industrial Efficiency Moves Forward with New Sector. EPA launched an *ENERGY STAR Focus for Fertilizer and Ammonia Production* to help improve the energy performance of this energy intensive manufacturing industry. EPA also released a new guide for improving energy efficiency in metal casting. This brings the total number of industries working through ENERGY STAR to improve energy efficiency to more than 30.

Industrial Plants Challenged to Improve. By the end of 2015, the number of industrial sites committed to the ENERGY STAR Challenge for Industry grew, while 380 sites met or exceeded their targets by achieving an average 20% reduction in energy intensity. These sites have saved over 66 trillion Btu and prevented emissions of more than 13.6 MMTCO₂e.

Reaching Larger Audiences. More and more utilities are stepping up to assist owners and operators by making aggregate whole-building data readily available and by enabling customers to have their data sent automatically into their Portfolio Manager account via Web services. Service and product providers, energy efficiency program administrators, and federal, state, and local governments continue to use ENERGY STAR tools to connect customers and stakeholders with the value of pursuing energy reductions.

Fig. 4. Steady Growth in Building Space Benchmarked



Cumulative square footage represents the unique building floor space benchmarked in ENERGY STAR Portfolio Manager. Building space benchmarked over multiple years is only counted once in the cumulative total.



ENERGY STAR® PARTNER OF THE YEAR AWARD WINNERS



PARTNER OF THE YEAR – SUSTAINED EXCELLENCE

AEP Ohio
Gahanna, OH

AEP Texas Central
Corpus Christi, TX

Allergan
Parsippany, NJ

Arizona Public Service
Phoenix, AZ

Baltimore Gas Electric
Baltimore, MD

Beacon Capital Partners LLC
Boston, MA

Beazer Homes USA, Inc.
Atlanta, GA

Bentall Kennedy
Seattle, WA

Best Buy Co., Inc.
Richfield, MN

BOMA International
Washington, DC

Brighton Homes
Boise, ID

Building Energy, Inc.
Star, ID

Burton Energy Group
Alpharetta, GA

CalPortland Company
Glendora, CA

CBRE Group, Inc.
San Jose, CA

Cenergistic
Dallas, TX

CenterPoint Energy
Houston, TX

Colgate-Palmolive Company
New York, NY

Columbia Gas of Ohio
Columbus, OH

ComEd
Chicago, IL

Consumers Energy
Jackson, MI

Corning Incorporated
Corning, NY

Cushman & Wakefield
Chicago, IL

Des Moines Public Schools
Des Moines, IA

DIRECTV
Dallas, TX

Eastman Chemical Company
Kingsport, TN

Ecova, Inc.
Spokane, WA

Efficiency Vermont
Burlington, VT

Energy Inspectors
Las Vegas, NV

EnergyLogic, Inc.
Berthoud, CO

Evergreen Public Schools
Vancouver, WA

Fanning Howey
Celina, OH

Food Lion
Salisbury, NC

General Motors Company
Detroit, MI

Goby Inc.
Chicago, IL

Gresham-Barlow School District
Gresham, OR

Habitat for Humanity of Greater
Nashville
Nashville, TN

Habitat for Humanity of Metro
Denver
Denver, CO

Hanesbrands Inc.
Winston Salem, NC

Hines
Houston, TX

Hoshizaki America, Inc.
Peachtree City, GA

Houston Habitat for Humanity
Houston, TX

Intertape Polymer Group, Inc.
Sarasota, FL

ITW Food Equipment Group
Troy, OH

Ivey Residential LLC
Evans, GA

J.C. Penney Company, Inc.
Plano, TX

JLL
Chicago, IL

KB Home
Los Angeles, CA

Kentucky School Boards
Association
Frankfort, KY

Kilroy Realty Corporation
Los Angeles, CA

Kohl's Department Stores, Inc.
Menomonee Falls, WI

LG Electronics
Englewood Cliffs, NJ

Liberty Property Trust
Malvern, PA

Loudoun County Public Schools
Ashburn, VA

Manitowoc Foodservice, Inc.
New Port Richey, FL

Mansfield Independent School
District
Mansfield, TX

MaxLite
West Caldwell, NJ

Memorial Hermann Health
System
Houston, TX

Merck & Co., Inc.
Kenilworth, NJ

Meritage Homes
Scottsdale, AZ

Nationwide Marketing Group
Winston Salem, NC

New Hampshire CORE Energy
Efficiency Team
Manchester, NH

New Jersey Board of Public
Utilities
Trenton, NJ

New Mexico Gas Company, A
TECO Energy Company
Albuquerque, NM

New York State Energy Research
and Development Authority
Albany, NY

Nissan North America, Inc.
Franklin, TN

Northeast Energy Efficiency
Partnerships
Lexington, MA

Panasonic Eco Solutions North
America
Newark, NJ

Parmenter
Miami, FL

PECO
Philadelphia, PA

Pella Corporation
Pella, IA

Pentair Aquatic Systems
Sanford, NC

Potomac Electric Power Company
("Peppco")
Washington, DC

Public Service Company of
Oklahoma
Tulsa, OK

Raytheon Company
Waltham, MA

Salt River Project Agricultural
Improvement and Power District
Tempe, AZ

Samsung Electronics
Ridgefield Park, NJ

Scott County Schools
Georgetown, KY

Sears Holdings Corporation
Hoffman Estates, IL

Servidyne
Atlanta, GA

SkyeTec
Jacksonville, FL

Soft-Lite LLC
Streetsboro, OH

Southern Maryland Electric
Cooperative
Hughesville, MD

Staples, Inc.
Framingham, MA

The Boeing Company
Chicago, IL

The Home Depot
Atlanta, GA

The Kenton County School District
Ft. Wright, KY

TIAA
New York, NY

TopBuild Home Services
Daytona Beach, FL

Toyota Motor Engineering &
Manufacturing North America,
Inc.
Erlanger, KY

Transwestern
Houston, TX

USAA Real Estate Company
San Antonio, TX

Verizon
New York, NY

PARTNER OF THE YEAR

AEP Southwestern Electric Power
Company
Shreveport, LA

Andersen Corporation
Bayport, MN

Bristol-Myers Squibb
New York, NY

Bullitt County Public Schools
Shepherdsville, KY

Canon U.S.A., Inc.
Melville, NY

Celanese Corporation
Irving, TX

Chinburg Properties
Newmarket, NH

CLEAResult
Lancaster, PA

Cleveland Clinic
Cleveland, OH

Delmarva Power & Light
Company ("Delmarva Power")
Washington, DC

Delta Products Corporation
Fremont, CA

DPS Engineering, LLC
Tomball, TX

E3 Innovate, LLC
Nashville, TN

Eaton
Peachtree City, GA

Energy Incentives, Inc.
Kennewick, WA

EnergyPrint
St. Paul, MN

EnerNOC, Inc.
Boston, MA

Energy New Orleans, Inc.
New Orleans, LA

Fannie Mae
Washington, DC

Four Walls, Inc
Portland, OR

Fulton Homes
Tempe, AZ

GDS Associates
Manchester, NH

Grede Holdings LLC
Southfield, MI

Guaranteed Watt Saver
Systems, inc
Oklahoma City, OK

Jacksonville Building Science
Jacksonville, FL

Marketable Engineered Projects,
LLC dba Maximum Energy
Professionals
Torrance, CA

National Grid-Rhode Island
Providence, RI

New Tradition Homes
Vancouver, WA

Owens Corning
Toledo, OH

PEG
Fairfax, VA

Principal Real Estate Investors
Des Moines, IA

Providence Homes
Jacksonville, FL

Pulte Group-Las Vegas
Las Vegas, NV

Ricoh USA, Inc.
Malvern, PA

RPM Development Group
Montclair, NJ

Schneider Electric
Louisville, KY

SL Green Realty Corp.
New York, NY

Southern Minnesota Municipal
Power Agency and its Members
Rochester, MN

Sustainable Investment Group
Atlanta, GA

Target Corporation
Minneapolis, MN

Texas-New Mexico Power
Company
Lewisville, TX

The Lighting and Products
Sponsors of Mass Save
Boston, MA

The Ohio Hospital Association
Columbus, OH

The United Illuminating Company,
Southern Connecticut Gas,
Connecticut Natural Gas, and
Eversource Energy
Orange, CT

Tishman Speyer
New York, NY

TSI Energy Solutions
Carmel, IN

Whirlpool Corporation
Benton Harbor, MI

CLIMATE COMMUNICATOR

Des Moines Public Schools
Des Moines, IA

DIRECTV
Dallas, TX

General Motors Company
Detroit, MI

KB Home
Los Angeles, CA

LG Electronics
Englewood Cliffs, NJ

Samsung Electronics
Ridgefield Park, NJ

HOME PERFORMANCE WITH ENERGY STAR – CONTRACTOR OF THE YEAR

ALLIED
Cherry Hill, NJ

AZ Energy Efficient Home
Phoenix, AZ

Energy Services Group
New Castle, DE

greeNEWit
Columbia, MD

GreenSavers
Bend, OR

Home Energy Matters
Pompton Plains, NJ

AWARDS FOR EXCELLENCE

Retailing

Metro Lighting
Brentwood, MO

Energy Efficient Product Design

Big Ass Solutions
Lexington, KY

Program Delivery

Northwest Energy Efficiency
Council
Seattle, WA

For more information, visit www.energystar.gov.

All values and figures for 2015 are preliminary as of April 1, 2016. Source for all figures: EPA Climate Protection Partnerships Division.