

ENERGY STAR® Water Heater Update

October 25, 2016





Facts about Water Heaters

- Water heaters (WHs) = 17% of residential energy consumption!
- Cost households \$200 to \$600 annually in energy costs
- 96% market is storage WHs; 4% tankless
- Fuel used to heat water nationwide:
 - 39% electric
 - 53% natural gas
 - 4 % bottled propane gas
 - 4% other (fuel oil, wood, solar)





How are water heaters sold, who to, and why?

- Who sells WHs:
 - Half sold through distributors (mainly to plumbers)
 - Half sold through retailers, of those:
 - 34% sold to homeowner for plumber to install
 - 52% sold to homeowner DIY install
 - 10% property owners;
 - 4% to re-modelers
- Why do folks buy WHs:
 - 18% for new construction
 - 82% sales are for WH replacement with just about all of those an emergency situation





Types of ENERGY STAR Certified Water Heaters







Gas Storage



Gas Tankless



Solar

Туре	ENERGY STAR specification
Electric Heat Pump	≤ 55 gallons: EF ≥ 2.00 > 55 gallons: EF ≥ 2.20
Gas Storage	≤ 55 gallons: EF ≥ 0.67 > 55 gallons: EF ≥ 0.77
Gas Tankless	EF ≥ 0.90
Solar	SEF ≥ 1.8 for electric backup SEF ≥ 1.2 for gas backup

In order to meet the version 3.0 specification (effective April 14, 2015), all electric storage units must use heat pump technology





ENERGY STAR Certified Electric Heat Pump Water Heaters

- Replacing your old electric water heater with an ENERGY STAR certified model can save a family of four \$330 a year.
- ENERGY STAR certified electric storage heat pump water heaters are **50%** more efficient than standard models.

Points of Differentiation for Certified Electric Heat Pump Water Heaters

- Installed since 2002, they are made by all the major water heater manufacturers and sold by major retailers and distributors
- They qualify for utility and energy-efficiency program rebates, and a federal tax credit.
- They use less than half the electricity of a conventional unit and save thousands of dollars in electricity costs.







ENERGY STAR Certified Gas Storage Water Heaters



- Replacing your old gas water heater with an ENERGY STAR certified gas storage model can **save you \$105** over the course of the products lifetime.
- ENERGY STAR certified gas storage water heaters are 8% more efficient than standard models.

Points of Differentiation for Certified Gas Storage Water Heaters

- They are an easy technology to use: easy to have installed (replace with same gas, water, and exhaust hookups), easy to understand (uses simple energy efficient features, e.g., better insulation, heat traps, and more efficient burners), and easy to rely on (all major manufacturers make them).
- They qualify for utility and energy-efficiency program rebates, and a federal tax credit.
- They will save consumers on annual gas costs while providing no sacrifice in performance – there's no difference when compared to a standard gas water heater.





ENERGY STAR Certified Gas Tankless Water Heaters

- Replacing your old gas water heater with an ENERGY STAR certified gas tankless model can save you \$90 a year.
- ENERGY STAR certified gas tankless water heaters are 8% more efficient than standard models.

Points of Differentiation for Certified Gas Tankless Water Heaters

- They use higher output burners to supply "instant" hot water to homeowners. These units save space, never run out of water yet exhibit no possibility of flooding due to a ruptured tank, and will last twice as long as a conventional unit.
- They qualify for utility and energy-efficiency program rebates, and a federal tax credit.
- Tankless water heaters will last up to 20 years, and are best for new construction given extra costs necessary for installation, e.g. new electrical outlets and ventilation system, upgraded gas pipes.







2016 National Water Heater Promotion





Top Five Reasons ENERGY STAR Cares About Water Heaters

- 1. Low market share of ENERGY STAR certified water heaters that can save customers hundreds over their lifetime
- 2. 37% of national installed water heater stock have been in operation for 10 years or greater
- 3. Opportunity to change decision making through education and awareness on benefits of early replacement
- 4. Widespread availability of significant energy efficiency program sponsor incentives and federal tax credits
- Existing market momentum from 2015 national ENERGY STAR Water Heater promotion

Switching to a certified unit is a huge savings opportunity!





ENERGY STAR National Water Heater Promotion

- Outreach effort to encourage consumers to think about replacing their old water heater before it fails. Consumers can achieve big savings by switching to ENERGY STAR and there are big rebates available, which might not be around forever.
 - Increase awareness of the value of ENERGY STAR water heaters
 - Encourage planned replacement of old water heaters
 - Increase overall demand and sales of ENERGY STAR certified water heaters
- Call to Action: Replace your old water heater with a certified model







ENERGY STAR Marketing & Outreach Campaign

- Paid & Earned Media:
 - Regional online banner advertising campaign
 - Regional PR activity in support of campaign
- Owned Media:
 - Dedicated campaign website energystar.gov/waterheaters
 - Ask the expert video
 - Mention in upcoming ENERGY STAR Consumer newsletter
 - Campaign messaging integration into Facebook and Twitter channels
- Shared:
 - Developed digital tool kit to help partners comarket promotion –
 energystar.gov/products/marketing_materials



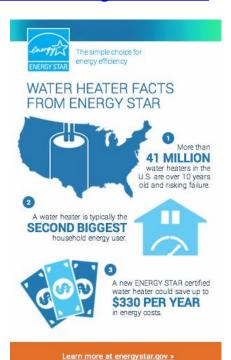




In-Store/Online Partner Materials

- Graphic and tagline for promotion
- Shareable graphics with key messaging
- Template signage for utilities
- Checklist or quiz
- www.energystar.gov/products/marketing_materials







\$3,500 on an ENERGY STAR® certified water heater.

Good for You.
Good for the Planet.





Utility & Energy-Efficiency Program Participation in National Promotion



Your water heater can save you money

By Carolyn Dix Remer

Dispatch Media Group . Friday October 30, 2015 9157 AM

When the temperature dips, it can be magical — the leaves turn vibrant shades of orange, red and yellow. Football is in full swing, and sparkling white snow blankets the ground.

Of course, there are also less-magical moments, like the high energy bills that result from cranking up the heat in the frigid Ohio winter.

Luckily, your water heater can help you save on your electric bill.

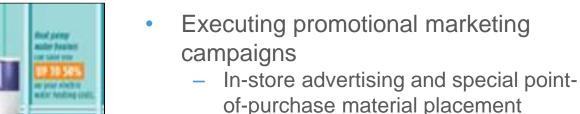
If you just look at the water heater, after home heating and cooling, it's the highest consumer of energy in your home," said David Tabata, manager of consumer programs and marketing for AEP Oblio. In fact, your water heater accounts for ω_4 to ω_8 be percent of your utility bills, with the average U.S. household spending ω_8 0 to ω_8 0 to ω_8 0 are no water heating.

Tabata noted that standard electric water heaters use more energy than the refrigerator, dishwasher, clothes washer and dryer combined.

Heat pump water heaters provide the same amount of hot water as traditional electric water heaters, but can save you up to 62 percent on your water heating costs.

Energy-efficient ENERGY STAR heat pump water heaters can save homeowners as much as \$300 a year, which means these water heaters can pay for themselves within two years. AEP Ohio offers these additional suggestions to help save money on water heating costs:

· Wash your clothes in cold water.



- Media outreach
- Digital and social education campaigns
- Incentives
- Increased contractor outreach and engagement efforts
 - Targeted contractor/plumber trainings
 - Inclusion of contractors/plumbers into program implementation





Utility & Energy-Efficiency Program Participation in National Promotion



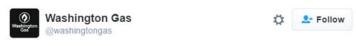




2 Follow

Utility & Energy-Efficiency Program Participation in National Promotion

Washington Gas



Replacing an old water heater? Don't miss out on savings—upgrade to an @ENERGYSTAR model! bit.ly/2cEOozu

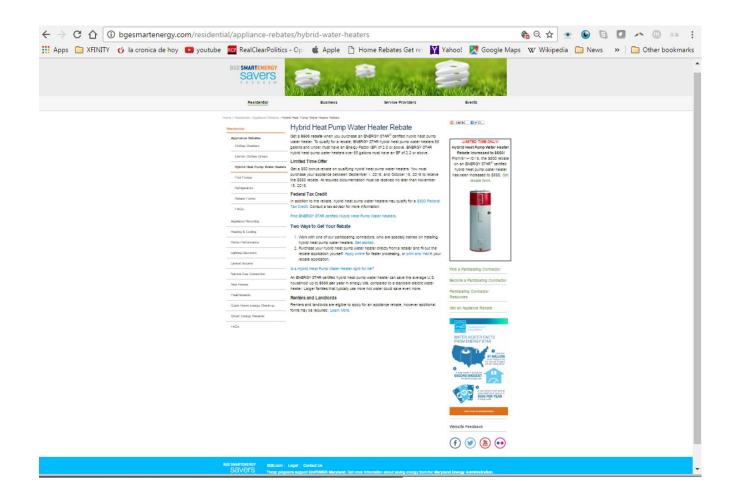








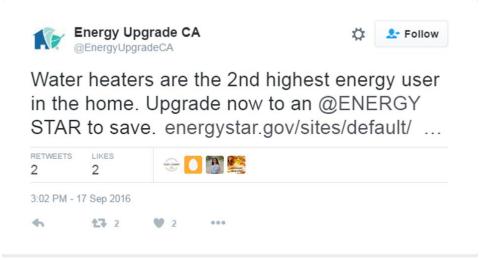
Utility & Energy-Efficiency Program Participation in National Promotion

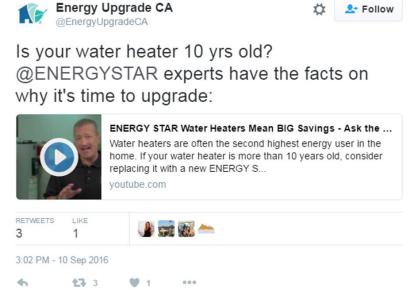






Utility & Energy-Efficiency Program Participation in National Promotion









Manufacturer & Retail Partner Participation

- Manufacturers
 - Independent campaigns in partnership with utilities/energy-efficiency programs and retailers
 - Using widgets on web site
- Retailers
 - Web education
 - Stocking product
 - Outreach to consumers







THE MOST EFFICIENT

water heater on the market.



3-4 TIMES MORE EFFICIENT

Than Natural Gas 23 Electric



ENERGY STAR QUALIFED Exceeds Energy Standards



LOWERS HERS INDEX

4 to 7 Points

According to ENERGY STAR, water heaters are the 2nd highest energy users in the home. By upgrading to a new ENERGY STAR certified water heater, your customers could save \$3,500 over its lifetime.**

Available in 50 & 80 gallon models



Learn more at WWW.GEOSPRING.COM/PRO

* Based on DOE test procedure and comparison of a standard electric tank water heater using 4647 kWh per year vs. the GeoSpring Pro hybrid electric water heater using 1347 kWh per year.

** energystar:gov/index.cfm?c=products.pr_save_energy_at_home, accessed March 2016.





Contractors & Plumbers Matter: ENERGY STAR Engagement Efforts

- Strengthening relationship and outreach effort with PHCC
 - Delivered PHCC member webinar regarding how to participate in the national promotion and collaborate with members partners
- Continuing to work utility and energy-efficiency programs to ensure they have the resources to engage their local plumber networks effectively
 - Organized and delivered Contractor Engagement webinar in partnership with New Jersey Natural Gas and CenterPoint Energy
- Worked with our retail and manufacturer partners to provide information to enhance training for their contractor and plumber networks











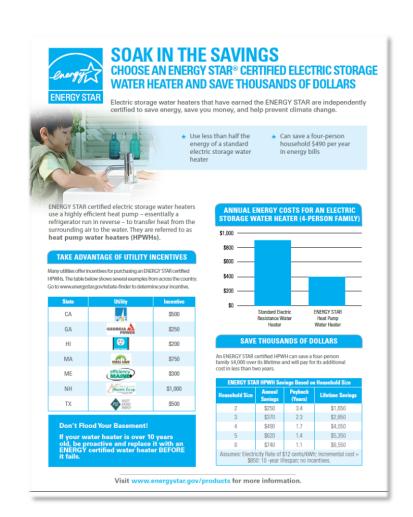
Additional Water Heater Sales & Marketing Resources





Water Heater marketing tools

- All Fuels
 - Retail Sales Training
 - Contractor Training
 - Marketing Messaging copy
 - Social Media content
- Electric Storage
 - HPWH Fact Sheet
- Gas Storage and Tankless
 - Fact Sheet



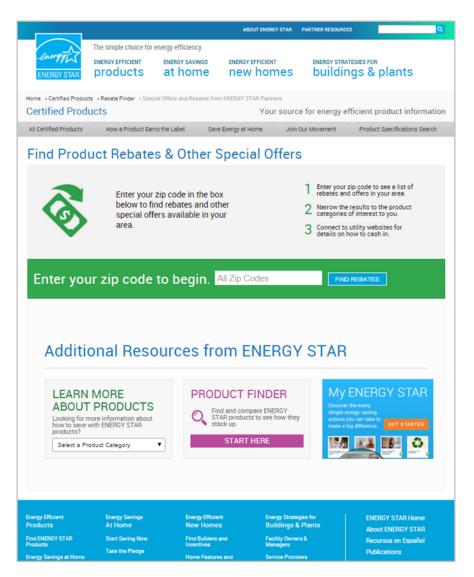




Even more ways to save!

Visit <u>www.energystar.gov/rebatefinder</u>

- Available rebates in your area,
- Incentive amounts, start and end dates,
- Name, location, and contact information of rebate sponsors.

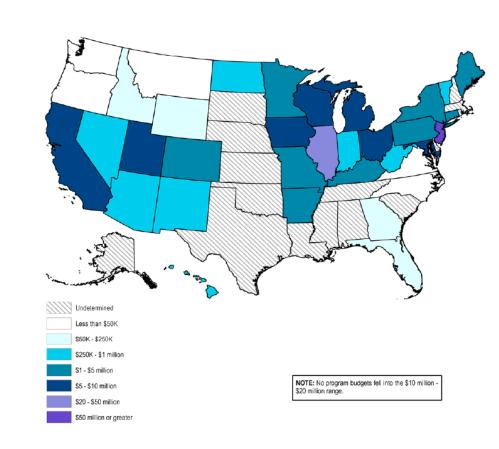






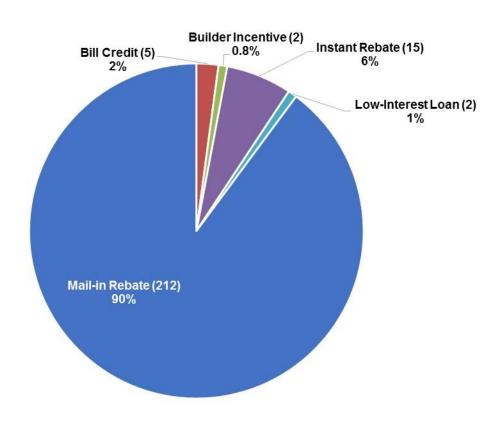
Water Heater Program Summary

- www.energystar.gov/dime
- Helpful resource to determine regional synergies and opportunities for collaboration
- Select Findings:
 - 90% of programs use mailin rebates
 - HPWHs account for 50% of promotional activity
 - 236 incentives available for certified WHs



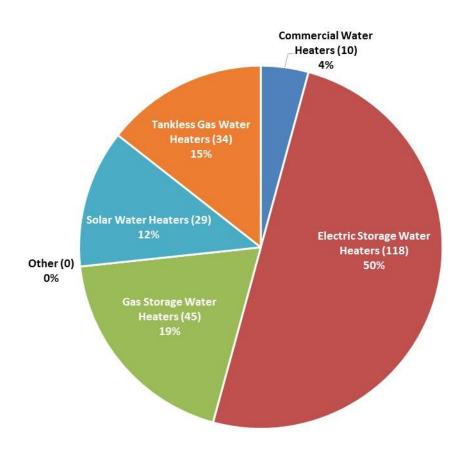






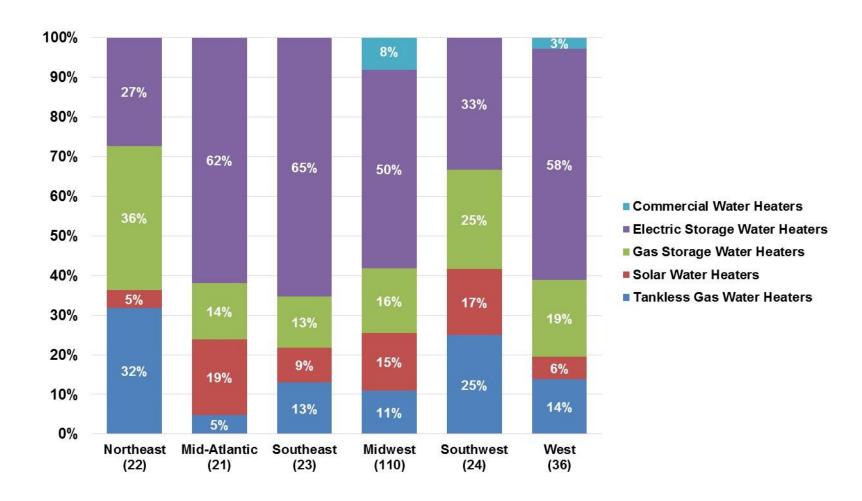






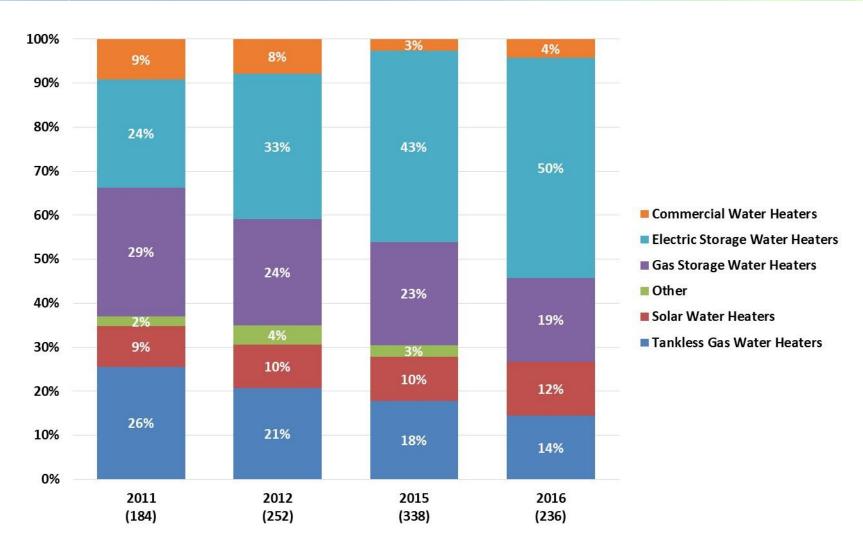






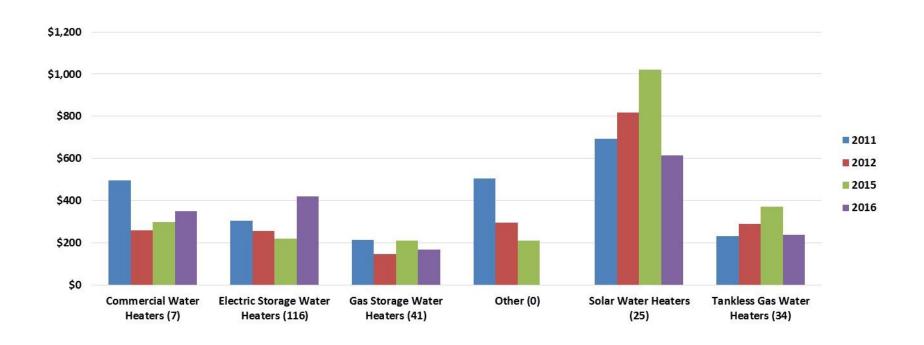
















Thank you!

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