

The upcoming revision to the National Appliance Energy Conservation Act, otherwise known as NAECA, will impact the design of most new water heaters.

APRIL
16
2015

The U.S. Department of Energy (DOE) regulates minimum energy efficiency requirements for water heaters. The first set of regulations—known as the National Appliance Energy Conservation Act (NAECA)—were created in 1990 and later updated in 2004 to the current standards. A new update to the rules for increasing minimum energy efficiency standards was enacted in 2010 and goes into effect on April 16, 2015.

At A. O. Smith, we are already preparing the necessary design changes to our line of residential water heaters. But as someone in the building community, you need to understand how these changes will impact your designs and plans, too.

These design changes will require that most residential water heaters under 55 gallons of capacity produced after April 16, 2015, to be larger in size. Therefore, they will require more installation space in both single-family and multi-family housing. Most water heaters under 55 gallons will grow by approximately 2" in height and diameter. Units over 55 gallons will require even more drastic changes.

Please refer to the information in this brochure to learn more about the upcoming changes and our recommendations to meet the future challenges.



DO YOUR CURRENT BUILDING PLANS ACCOUNT FOR 2015 NAECA CHANGES?



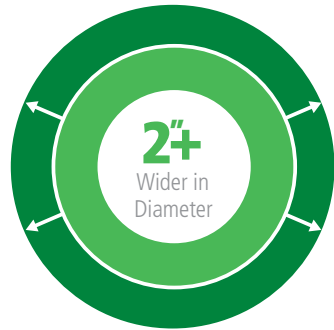
Scan the QR Code for more information or visit hotwater.com/NAECA.

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WATER HEATERS UNDER 55 GALLONS



The height of a new unit with the same gallon capacity as an existing unit may be two or more inches taller.



The diameter of a new unit that has the same gallon capacity as an existing unit may be two or more inches wider.

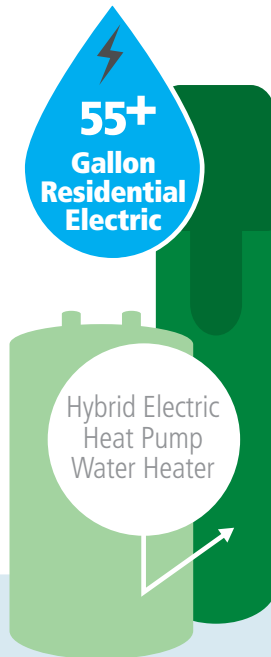
WHAT CAN YOU DO TO PREPARE?



For units under 55 gallons, add a minimum of three or more inches when planning the space.

WATER HEATERS OVER 55 GALLONS

Water heaters that are larger than 55 gallons will undergo the biggest changes. They may require more space or potentially switching models.



Q: Why are there no standard 60-, 80-, or 120-gallon residential electric models available after NAECA 2015?

A: Based on the NAECA 2015 rules, all residential electric models over 55 gallons must be of the Hybrid Electric heat pump water heater type design. Check out our existing Voltex® models as well as our other soon-to-be-launched Hybrid Electric models—all of which are great fits for these high capacity electric applications.



Q: Why are there no standard 75- or 100-gallon residential gas models available after NAECA 2015?

A: Based on the NAECA 2015 rules, all residential gas models over 55 gallons must be of the condensing water heater type design. Check out our existing Vertex™ models as well as our other soon-to-be-launched condensing gas models—all of which are great fits for these high capacity gas applications.

REPLACEMENT OPTIONS

REPLACEMENTS FOR WATER HEATERS UNDER 55 GALLONS:

- For installations where space **is not** an issue, units of similar gallon capacity but larger in physical size can be installed.
- For installations where space **is an** issue, a similar unit with smaller gallon capacity may be installed or a unit with different technology* may be a good option.

*Be sure to check hotwater.com often for updates on the latest available technology.

REPLACEMENTS FOR WATER HEATERS OVER 55 GALLONS:



Voltex® Hybrid Electric Heat Pump

Designed to dramatically decrease the cost of operation, which translates into significant savings for the homeowner.



Two Conventional Electric Models Under 55 Gallons

Installing two smaller standard electric units will not be as energy efficient as a Hybrid Electric for homeowners, but it may be an option in some cases.



Vertex™

Our Vertex™ product line comes in multiple sizes and is ideal for delivering large amounts of hot water while providing homeowners with utility savings.



High Efficiency Gas Tankless Models

A. O. Smith offers a full line of high efficiency gas tankless units that are ideal for delivering large amounts of hot water while saving space.



Two Conventional Gas Models Under 55 Gallons

Installing two smaller standard gas units will not be as energy efficient as a high efficiency Vertex or tankless for homeowners, but it may be an option in some cases.