

# Today's Landscape of Residential Efficiency Programs

Chris Granda  
Appliance Standards Awareness Project  
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# Appliance Standards Awareness Project

- [ASAP](#) has promoted both state and national energy and water efficiency standards for appliances, lighting and other equipment since 1999.
- [ASAP's](#) steering committee includes consumer groups, utilities, state governments, and environmental and energy advocates.

# ASAP Website

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DOE Schedule

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## Products

- All Products
- Residential
- Commercial/Industrial
- Lighting

### Residential

= Water Savings Standards = Missed DOE Deadline

Product Covered	Initial Legislation	Last Standard Issued	Effective Date	Issued By	Updated DOE Standard Expected	Potential Effective Date	States With Standard
Battery Chargers	EPACT 2005	None	None	N/A	2015	2017	CA, OR
Boilers	NAECA 1987	2007	2012	Congress	2016	2021	
Central Air Conditioners and Heat Pumps	NAECA 1987	2011	2015	DOE	2017	2022	
Clothes Dryers	NAECA 1987	2011	2015	DOE	2017	2020	

# APPLIANCE STANDARDS

## THE BEST ENERGY AND CLIMATE POLICY YOU'VE NEVER HEARD OF.

**2<sup>ND</sup>** BIGGEST ENERGY-SAVING INITIATIVE IN THE U.S.

7.3 CAFE vehicle fuel economy standards

5.3 Appliance and equipment standards

3.8 Energy Star

1.8 Utility sector energy efficiency programs

1.1 Building codes

1.0 Federal R&D

0.5 Energy Service Companies

0.3 Federal tax incentives

CONSUMERS POCKET **\$500 A YEAR** IN SAVINGS ON UTILITY BILLS

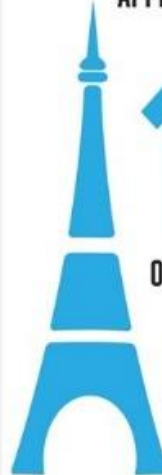


THAT WILL ADD UP TO A TOTAL OF \$1.9 TRILLION BY 2035.

APPLIANCE STANDARDS WILL PROVIDE

**11%**

OF WHAT U.S. NEEDS TO MEET 2025 PARIS CLIMATE TREATY TARGET.



IN 2015 ALONE, APPLIANCE STANDARDS HELPED US AVOID CARBON EMISSIONS EQUAL TO

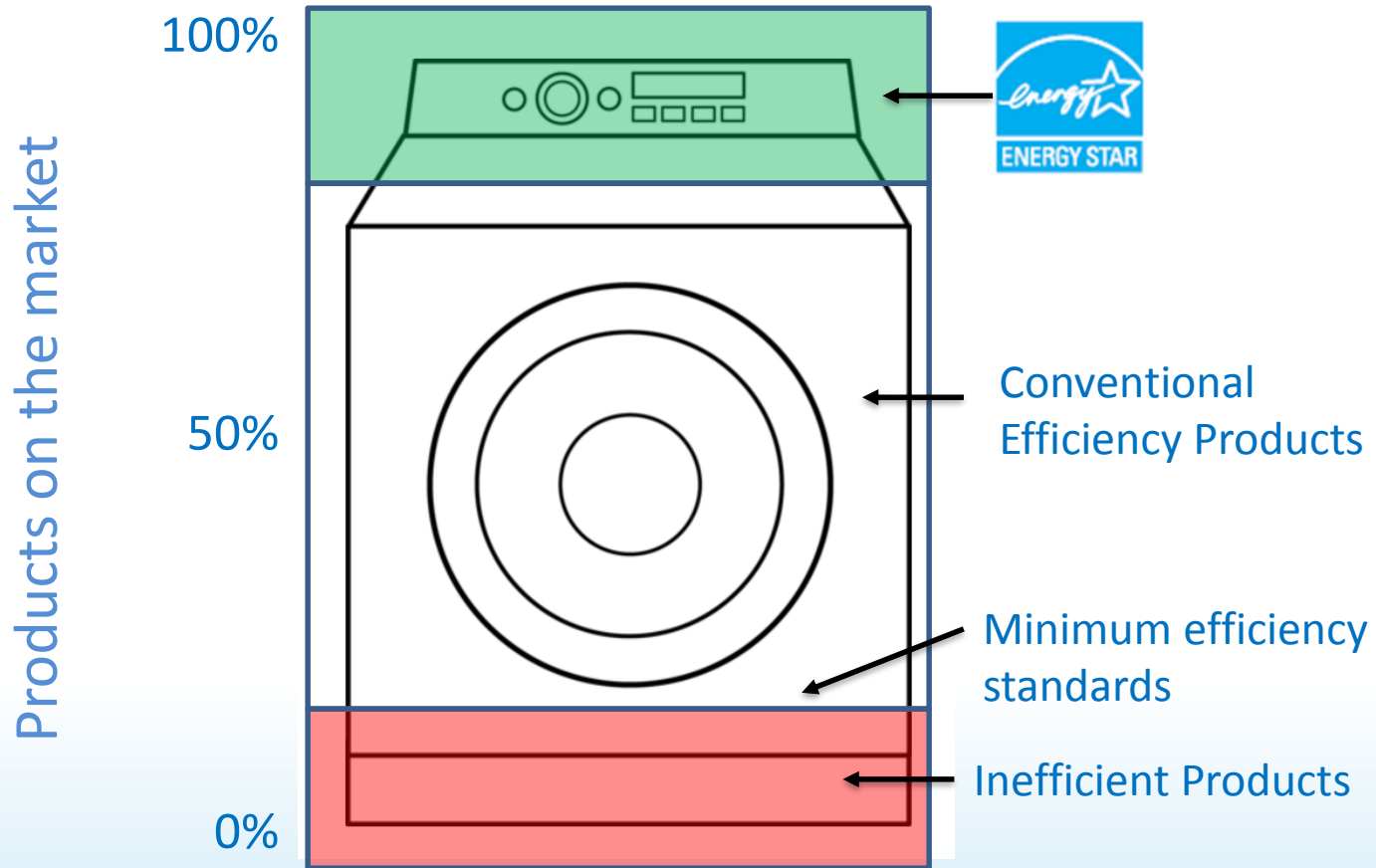
**63**

MILLION AUTOMOBILES



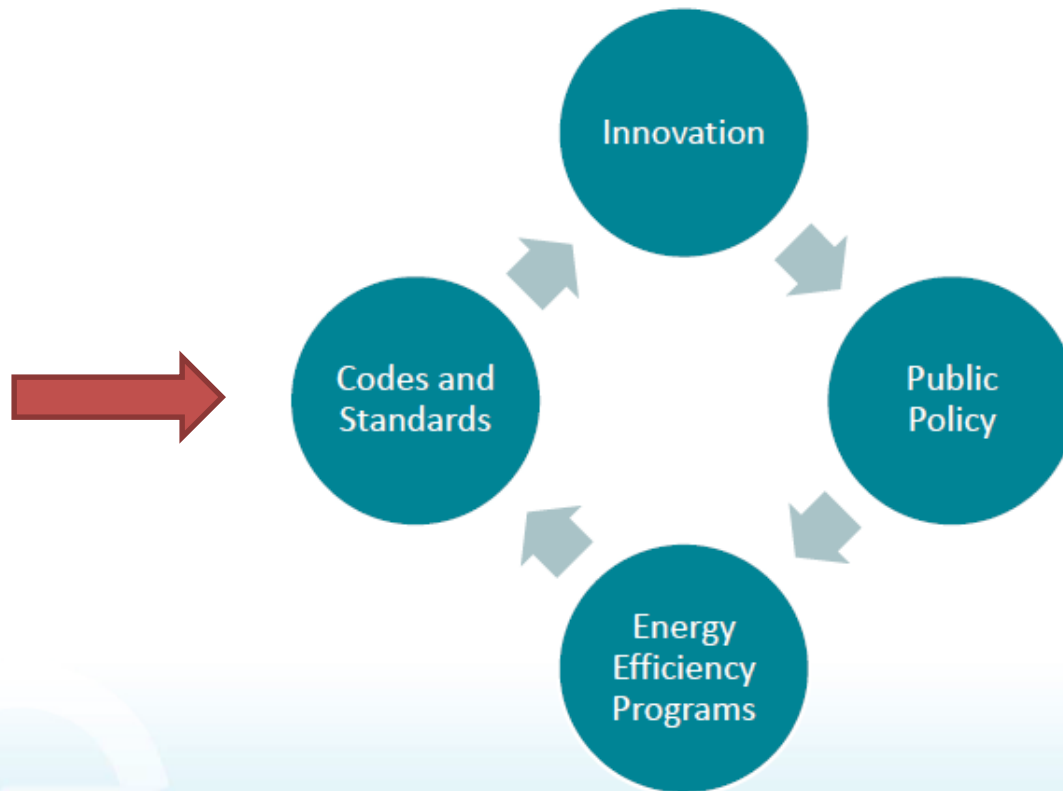
\* Quadrillion BTUs

# The Basics



# Standards are Part of the Market Transformation Cycle

THE MARKET TRANSFORMATION CYCLE

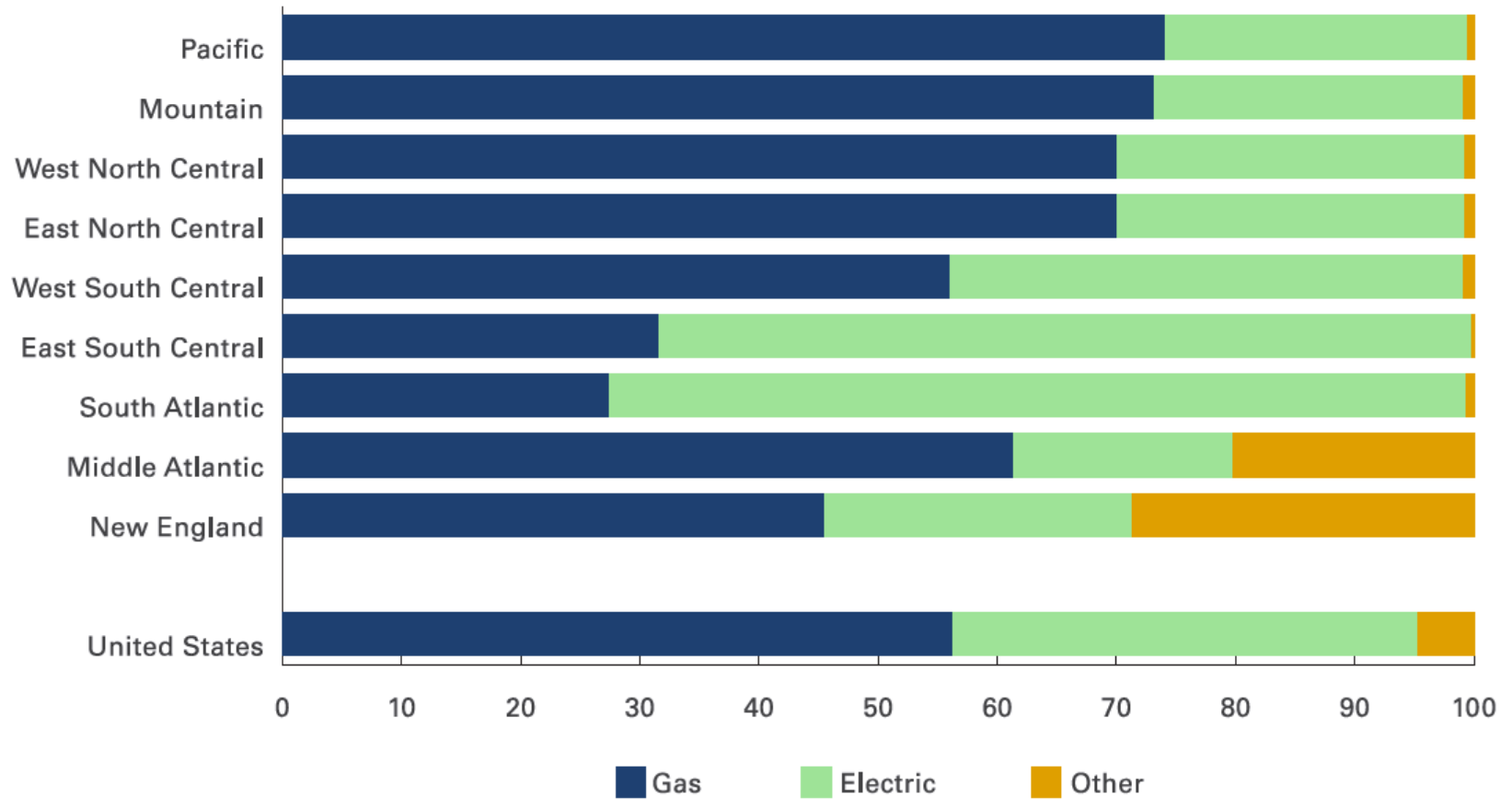


# Res. Water Heater Standards

- Next federal rulemaking scheduled for 2017-2019 with possible effective date new standards in 2024
- Savings potential – (site) 16.2 quads, 865.4 MMT of CO<sub>2</sub> and \$232.9 billion (2013\$) annually.



Figure 4 | Water Heating Fuel by Census Division, 2005





# Contact Info

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