

Vermont H.410 Appliance Resource Efficiency Standards

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Appliance Standards Awareness Project

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www.appliance-standards.org

APPLIANCE STANDARDS

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

2ND 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

* Quadrillion BTUs

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



Why State Energy Efficiency Standards?

- Save Vermonters Energy & Money
 - Eliminate hidden second price tag
 - Make efficiency a function, not a feature
- Show Climate Leadership
 - Oppose attempts to dismantle DOE standards program

Vermont Energy Efficiency Standards

- Vermont has had standards since 2006
 - Title 9: Chapter 74 covered transformers, boilers, power supplies, and some lighting
(All pre-empted by federal standards in 2007)
- H 411 wrote 50+ existing federal standards into Vermont law
- H 410 adds 17 new standards

Standards in H 410

- Withheld or flawed federal standards
- Obsolete federal standards
 - Plumbing fixtures
- Standards from other states
- ENERGY STAR or WaterSense specifications

Standards in H 410

- Field tested in other jurisdictions or programs
- Use industry definitions & test procedures
- Developed with industry input
- Designed to minimize PSD work load

Highlight

High CRI fluorescent loophole

2014: T12s should have been gone

2017: T12s 12% of all lamps

2009: high CRI tubes rare and expensive

2018: high CRI tubes cheap, and 30 mil+ will be sold



Highlight

Withheld Federal Standards

- Large air compressors
- Uninterruptible power supplies
- Portable air conditioners



Highlights

Computers and Monitors

- CA state standards will save \$370 mil/yr
- Defacto national standard could save \$3 bil/year
- VT standard identical to CA standard



States Considering Similar Bills

- Washington (HB 2327)
- Massachusetts (H 3404)
- Rhode Island (HB 7828)
- Connecticut (pending)
- New York (pending)
- California (rulemakings underway)

Thank You

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