#### Vermont H.410 Appliance Resource Efficiency Standards

Chris Granda Appliance Standards Awareness Project March 30, 2018

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#### APPLIANCE STANDARDS AWARENESS PROJECT

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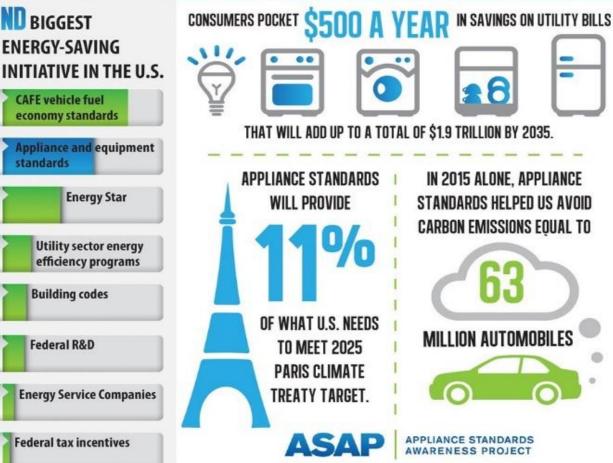
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\* Ouadrillion BTUs



#### 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)



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#### **Thank You**

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