



Welcome to Phoenix ENERGY STAR Updates

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U.S. EPA

ENERGY STAR Partner Meeting

September 5, 2018

to protect the environment
and fight climate change.

ENERGY STAR has over

- 16,000 partners
- 50,000 product model listings
- More than 320 million units shipped in the U.S. per year





ENERGY STAR: Market Factors - 2019

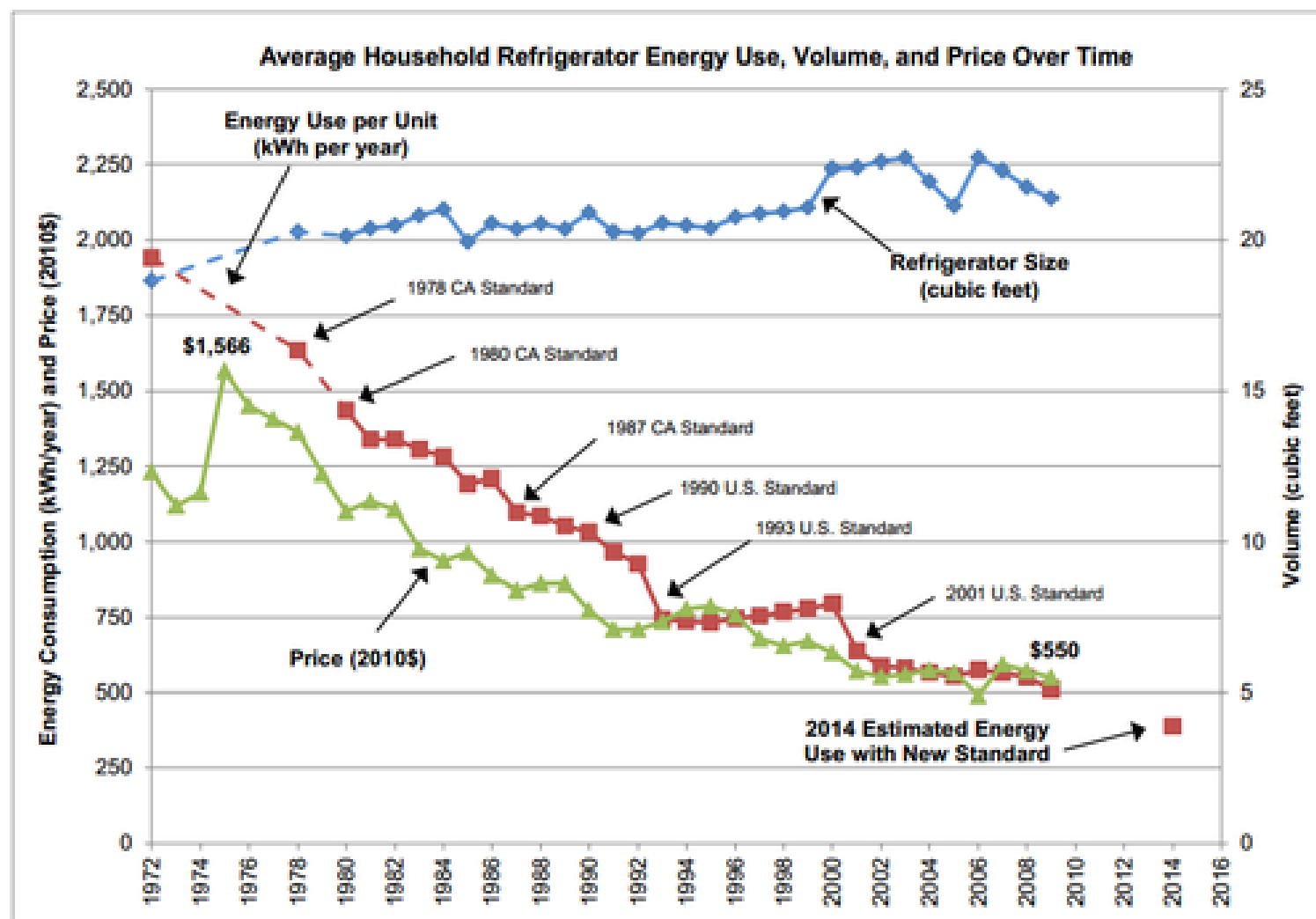
Diminishing Returns

Changing Utility Business Models

Technology Developments



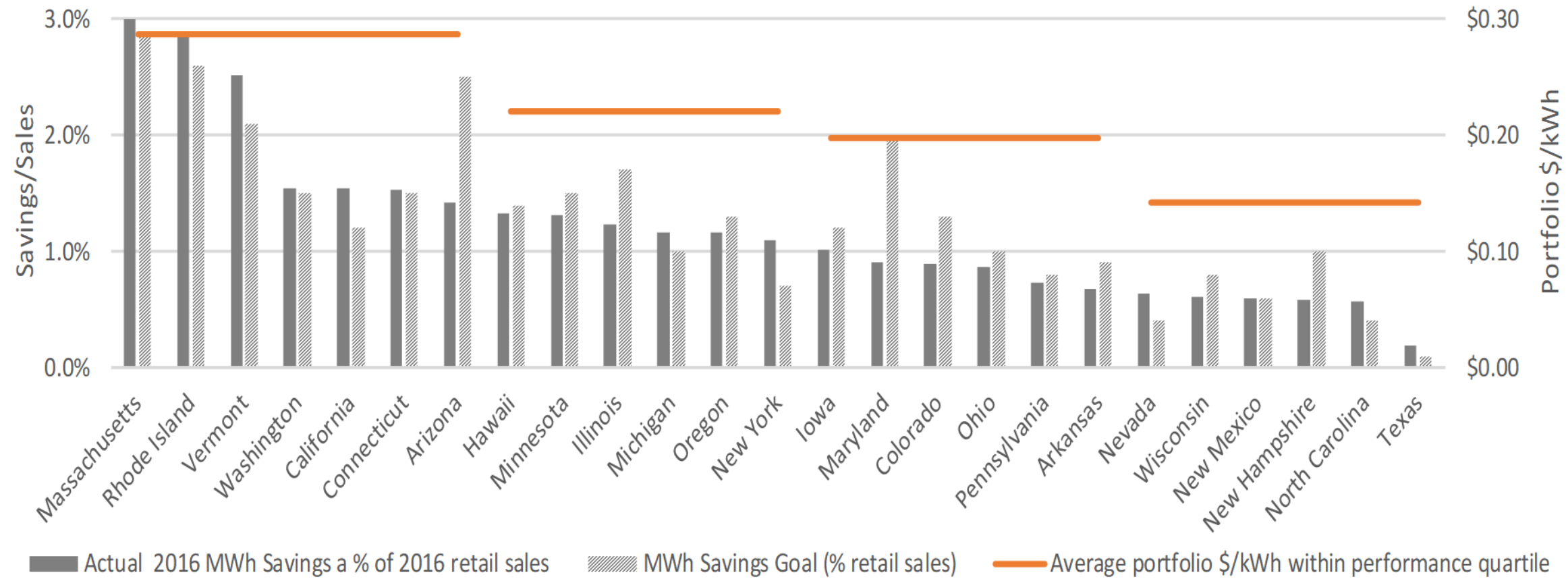
Challenge: Diminishing Returns



Sources: Association of Home Appliance Manufacturers (AHAM) for energy consumption and volume; U.S. Census Bureau for price



Challenge: Diminishing Returns

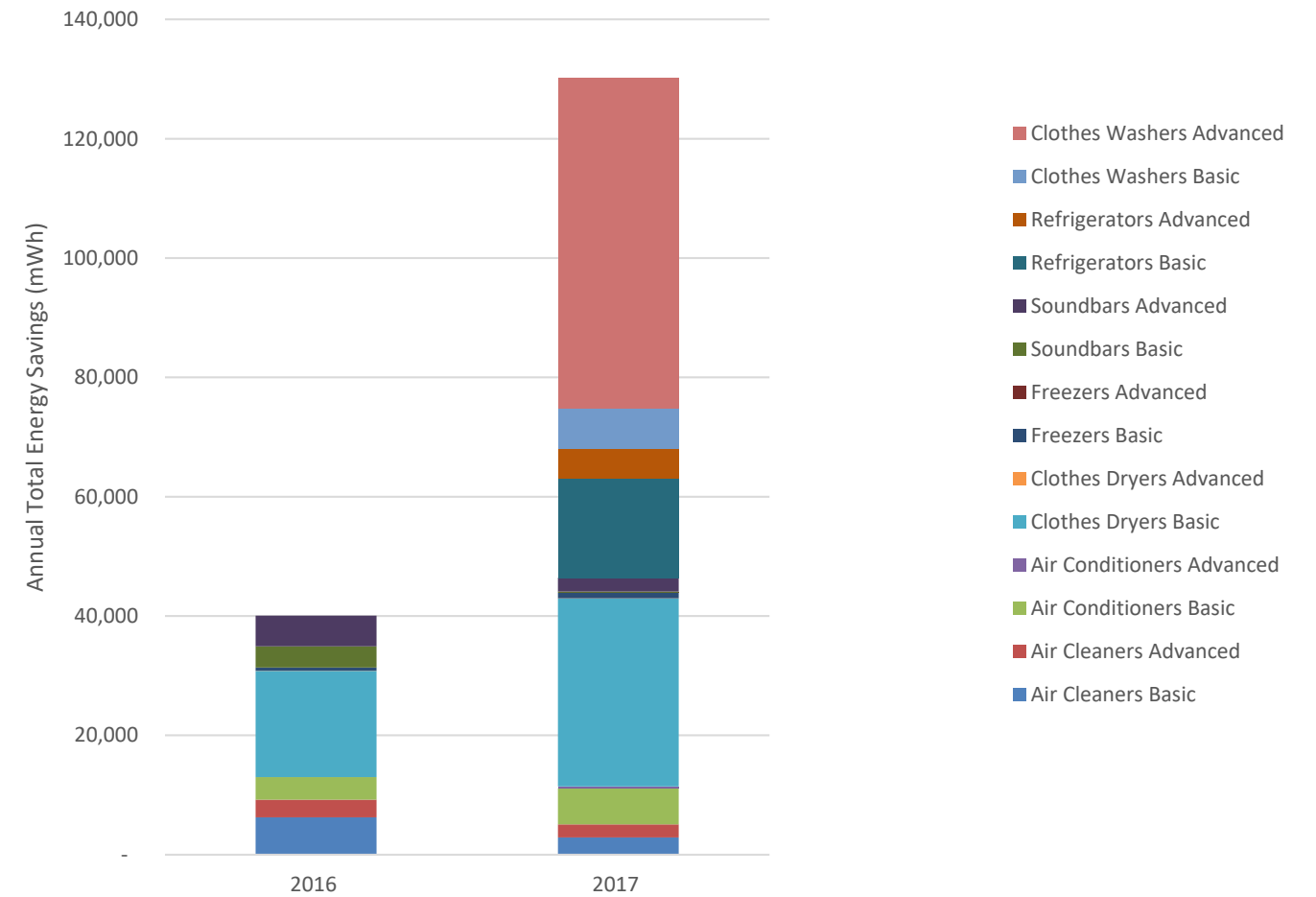
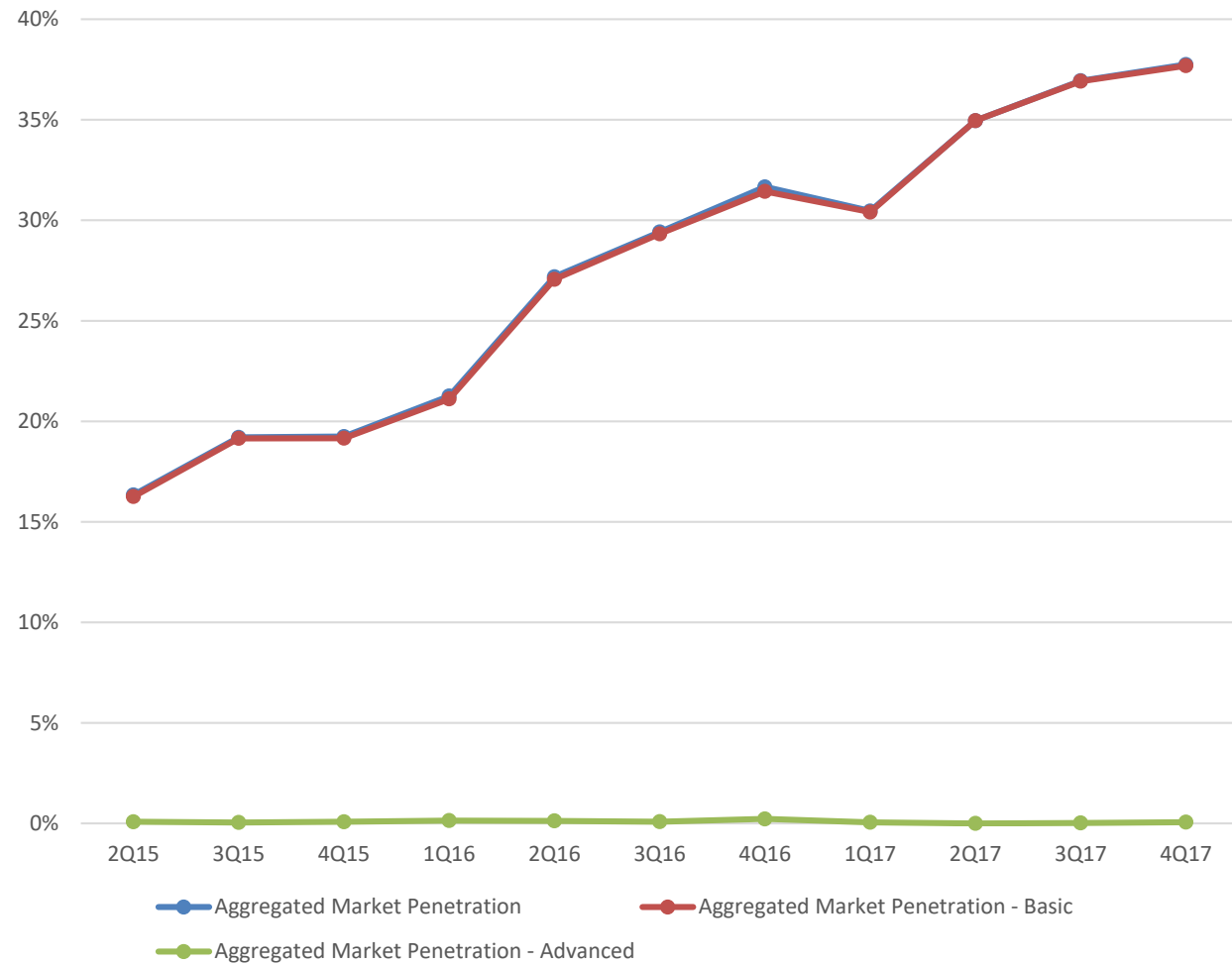


Details: Next Session



Potential Solution: Midstream - Retail

Clothes Dryers





Potential Solution: Midstream -Trade

Find and Compare Products Languages: English | Français Access to ENERGY STAR API, Data Set or Excel File

Find product models that have earned the ENERGY STAR and compare features, savings and more to optimize your purchase.

- Select a product category of interest to you.
- Get details on specific qualifying models.
- Make informed purchasing decisions.

ENERGY STAR Certified **Water Heaters** Visit the [Water Heaters](#) page for usage tips and buying guidelines. CHANGE product category

Efficiency and performance for ENERGY STAR certified water heaters may be evaluated using two different methods. The results of testing from these methods are not directly comparable. Solar water heater products have requirements for Solar Energy Factor (SEF), not Uniform Energy Factor (UEF).

(69) heat pump water heater installers in your area SHOW INSTALLERS →

Filter Your Results **1432 Records Found**

Filter by keyword

Fuel

- Electric (189)
- Natural Gas (657)
- Propane (560)
- Do not filter

Type

- Gas Storage (753)
- Gas Tankless (259)
- Heat Pump (189)
- High Capacity Storage (48)
- Solar with Electric Backup (210)
- Solar with Gas Backup (7)
- Do not filter

Brand Name

- A. O. Smith (52)
- A.O. Smith (56)
- American (81)
- American Solar (67)
- American Standard (3)
- Bosch (11)
- Bradford White (4)
- [Show more](#)

Storage Volume (gallons)

- less than 50 (303)
- 50-70 (524)
- 80 or more (73)

A. O. Smith - G6-UPVT5042NV Compare
Gas Storage - Natural Gas Uniform Energy Factor (UEF): Energy Factor: 0.68 Thermal Efficiency (TE):

A. O. Smith - GPDF 50 102 Compare
Gas Storage - Natural Gas Uniform Energy Factor (UEF): Energy Factor: 0.67 Thermal Efficiency (TE):

A. O. Smith - GPDF 50 103 Compare
Gas Storage - Propane Uniform Energy Factor (UEF): Energy Factor: 0.67 Thermal Efficiency (TE):

A. O. Smith - HPTU 80 120 Compare
Heat Pump - Electric Uniform Energy Factor (UEF): Energy Factor: 3.07 Thermal Efficiency (TE):

Rebates in your zip code: CHANGE ZIP →

Heat Pump Water Heaters \$500 Valid: 01/01/2011 - 12/30/2017
Mail-In Rebate [?](#)
Seattle City Light | 206-684-3800 Visit website to learn more

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(69) heat pump water heater installers in your area SHOW INSTALLERS →

The installers listed below meet the vetting process of utility-sponsored energy-efficient heat pump water heater programs in their area or that of the product brand owner they are affiliated with. The ENERGY STAR Program is not responsible for the quality of services provided and encourages consumers to ensure their installer is properly certified and licensed.

These links will take you to web sites external to the energystar.gov domain. EXIT ↗

Installation professionals list provided by Hot Water Solutions, a Heat Pump Water Heater initiative of the Northwest Energy Efficiency Alliance

5 Corners Plumbing A
Address: PO Box 14372, Seattle, WA 98114 Phone: (206) 508-7972 Visit website

7 Hills Plumbing B
Address: PO Box 14758, Mill Creek, WA 98082 Phone: (425) 754-0240 Visit website

AP Plumbing LLC C
Address: 11422 Pinyon Ave NE, Bainbridge Island, WA Phone: (206) 842-7857 Visit website

▲ HIDE INSTALLERS ▼

Friday 10:00 – Innovative Training Techniques to Gain Contractor Buy In
 Friday 1:00 – Midstream/Instant Programs - HVAC and Water Heating



Potential Solution: Leading Edge Products



9:45 today – the Far Horizon, HVAC and Appliances
9:30 Friday – Pump It Up, heat pump water heaters

Potential Solutions: Hard(er) To Reach Market Segments

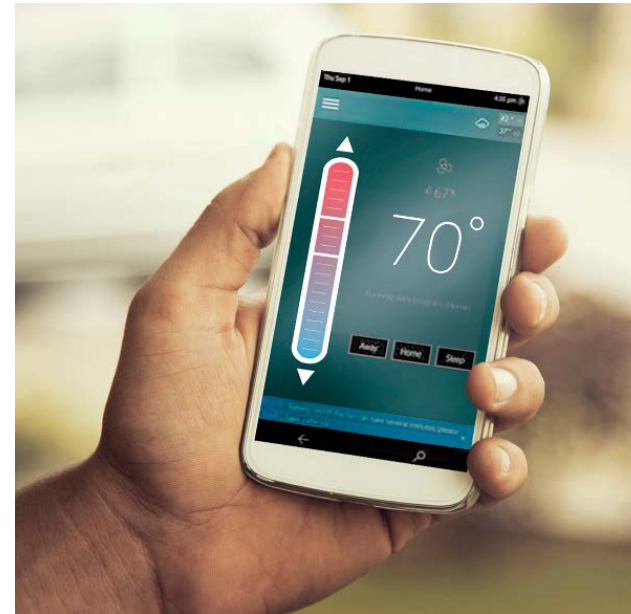


Details: Thursday 11:15

Challenge: Changing Utility Business Models



Potential Solution: Connected Products

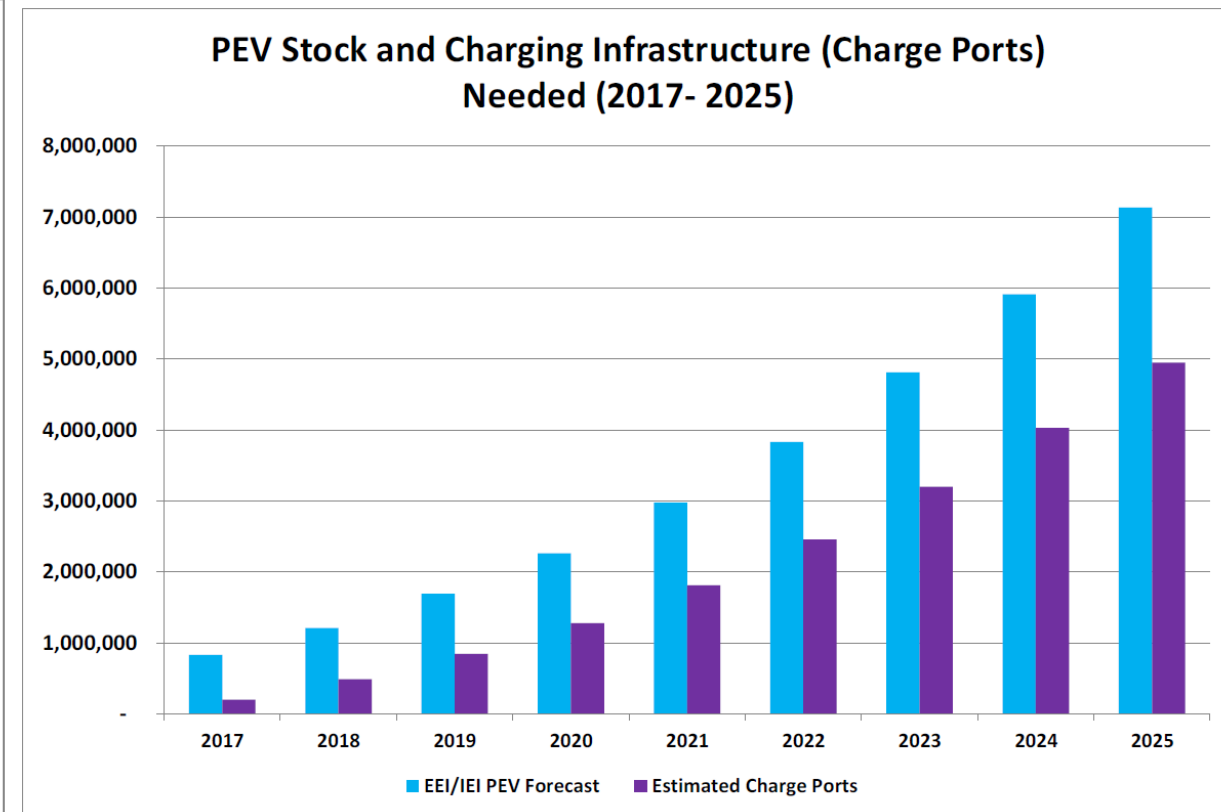
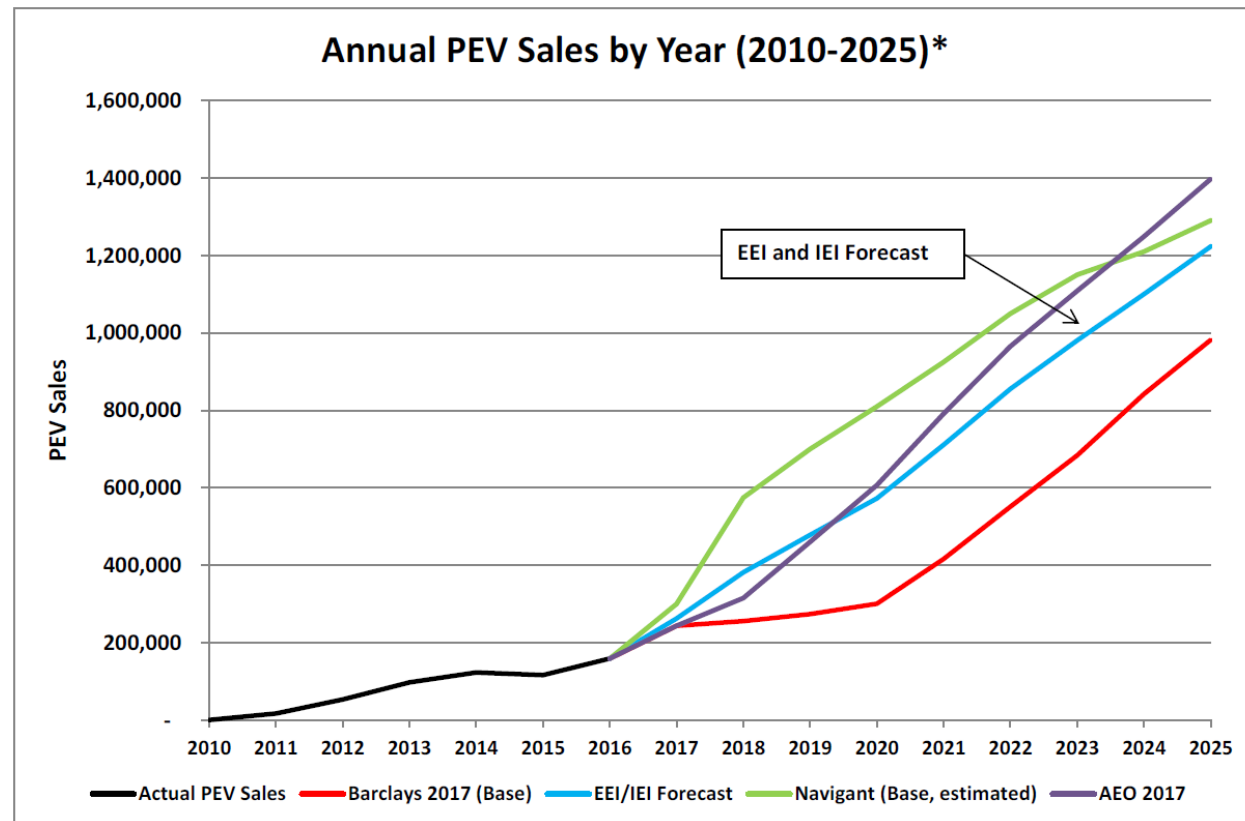


Today: 12:45 and 1:45 -Thermostats

Friday 11:00 – Connected Criteria for ENERGY STAR Water Heaters and CAC



Electric Vehicles – Market Indicators



*Includes battery electric vehicles and plug-in hybrid electric vehicles

EEI and IEI say 7 million EVs on the road by 2025...

...and 5 million charge ports needed to support them.

Potential Solution: ENERGY STAR Specification

- Energy Savings
- Safety
- Open Standards



Potential Solution: ENERGY STAR Specification



Efficiency Opportunity:

- Active Charging % Efficiency
- Minimizing heating and cooling
- Standby Losses, lighting, network

CONCLUSION: ENERGY STAR IS ADAPTING TO A CHANGING LANDSCAPE

Diminishing returns

- Midstream
- Large Potential Products
- Emerging Technologies

Changing Utility Business Models

- Connected Products
- EV Chargers

