



# Acadia Center

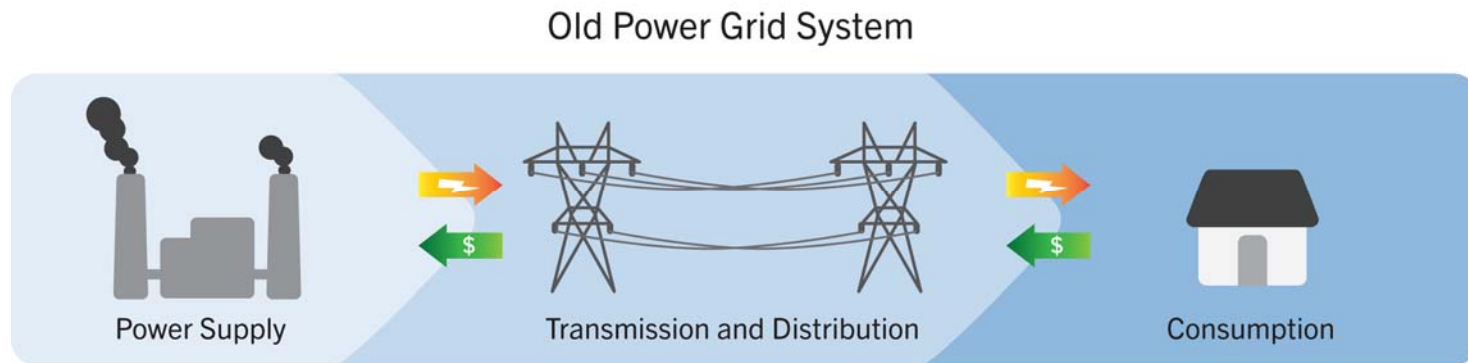
**Advancing the Clean Energy Future**

Envisioning Our Energy Future  
Boston, MA  
Feb. 24, 2015

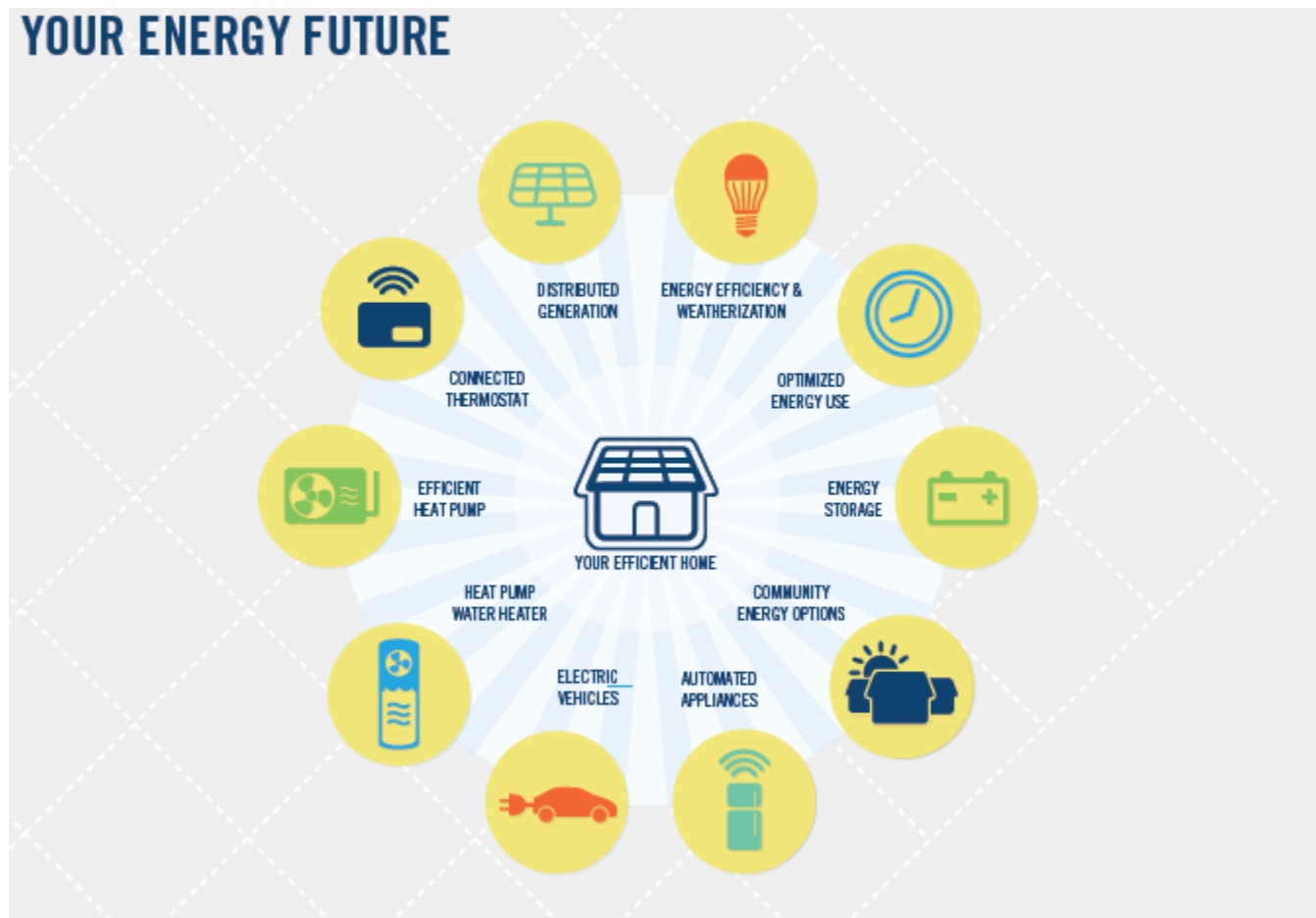
# Three Main Themes for Today

1. Technology changes are causing the energy system to become increasingly decentralized.
2. Consumers deserve to reap the benefits of technology improvements. They deserve an efficient, clean and reliable energy system.
3. How do we get there?
  1. Utility incentives and grid planning needs to evolve in order to keep up with new technologies and states' consumer and environmental goals.
  2. New approaches are needed to level the playing field for customer-side resources to ensure that the best options for the environment and consumers are selected.
  3. We need to maintain the best of what we have – energy efficiency investments, moving to clean power, reliability – while evolving to a more modern energy system.

# Old Power Grid



# Reforms needed to realize the potential of customer-side resources

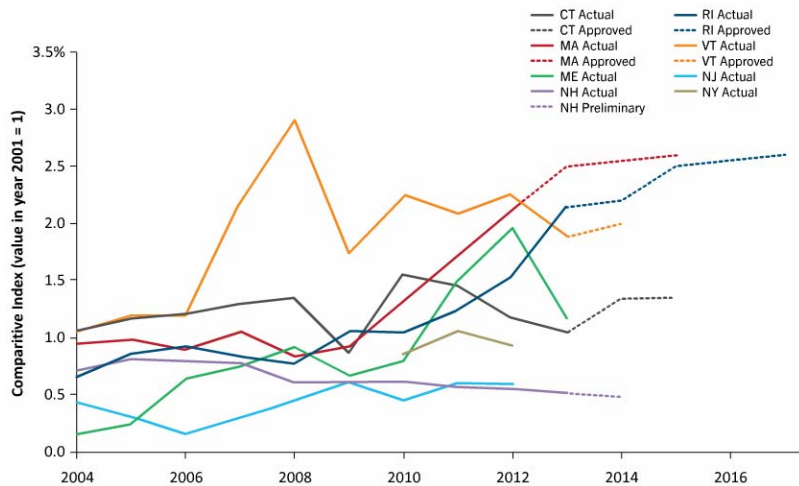


# Our Energy System is Changing

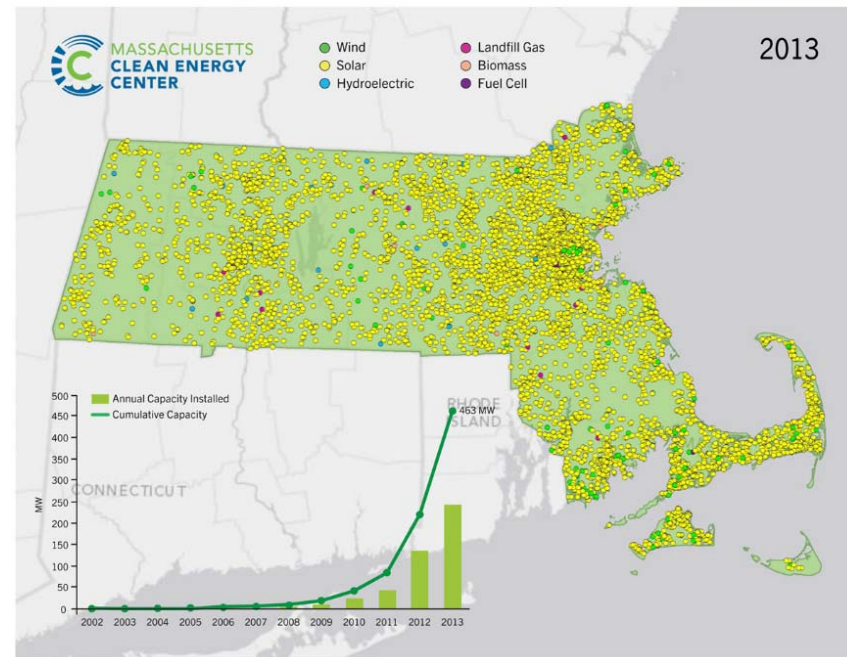
Nation-leading energy efficiency levels

Increasing adoption of distributed generation

Progress in the Northeast: Leading Investment and Savings Levels with All C/E Efficiency Mandate

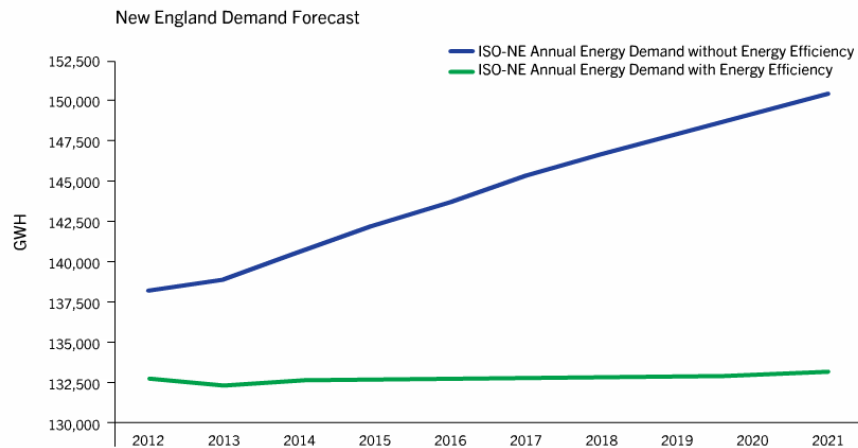


Sources: ENE analysis using data: CT, ME, NH, RI, VT, NJ - Electric Efficiency Program Administrator Annual Reports and Plans; MA - 2011 data preliminary. Data till 2010 from DOER PARIS Database and Plans; NY - 2010 data from ACEEE, 2011 and 2012 data from EA 861. Sales - EIA and PA data.



# Impacts on the power grid

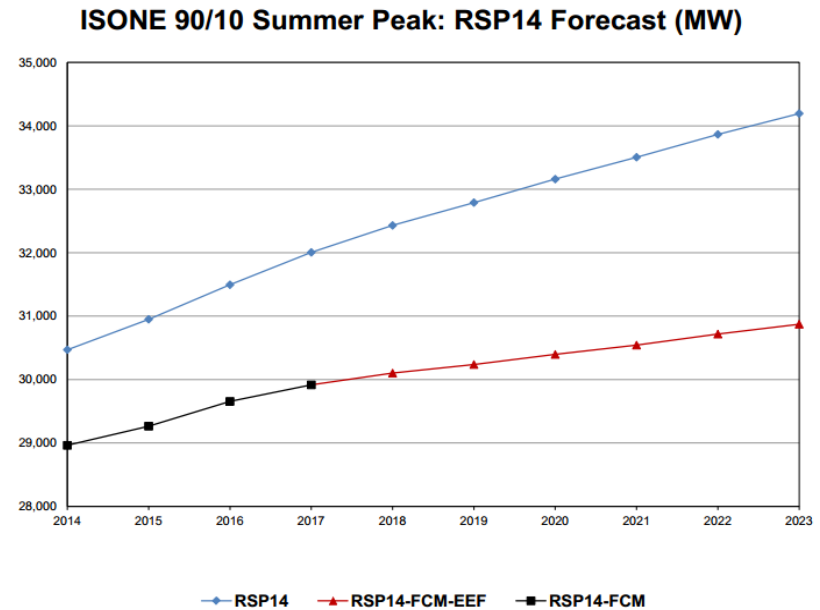
Consumption is flat,  
declining in some states



Energy efficiency investments have deferred \$416 Million of transmission investment in Vermont and New Hampshire

Source: ISO-NE Data.

Slower growth in peak  
demand



# States signaling moves toward more decentralized energy systems



# Goals: information exchange, discuss points of view

- The energy system is changing: how can the utility business model and regulatory paradigm keep up?
- What are the best practice ideas for allowing customer-side resources to flourish and contribute to maintaining grid reliability?
- What are the opportunities for states to work together to level the playing field for customer-side resources?
- How can energy efficiency as a resource be sustained and advanced to capture further opportunities?





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