

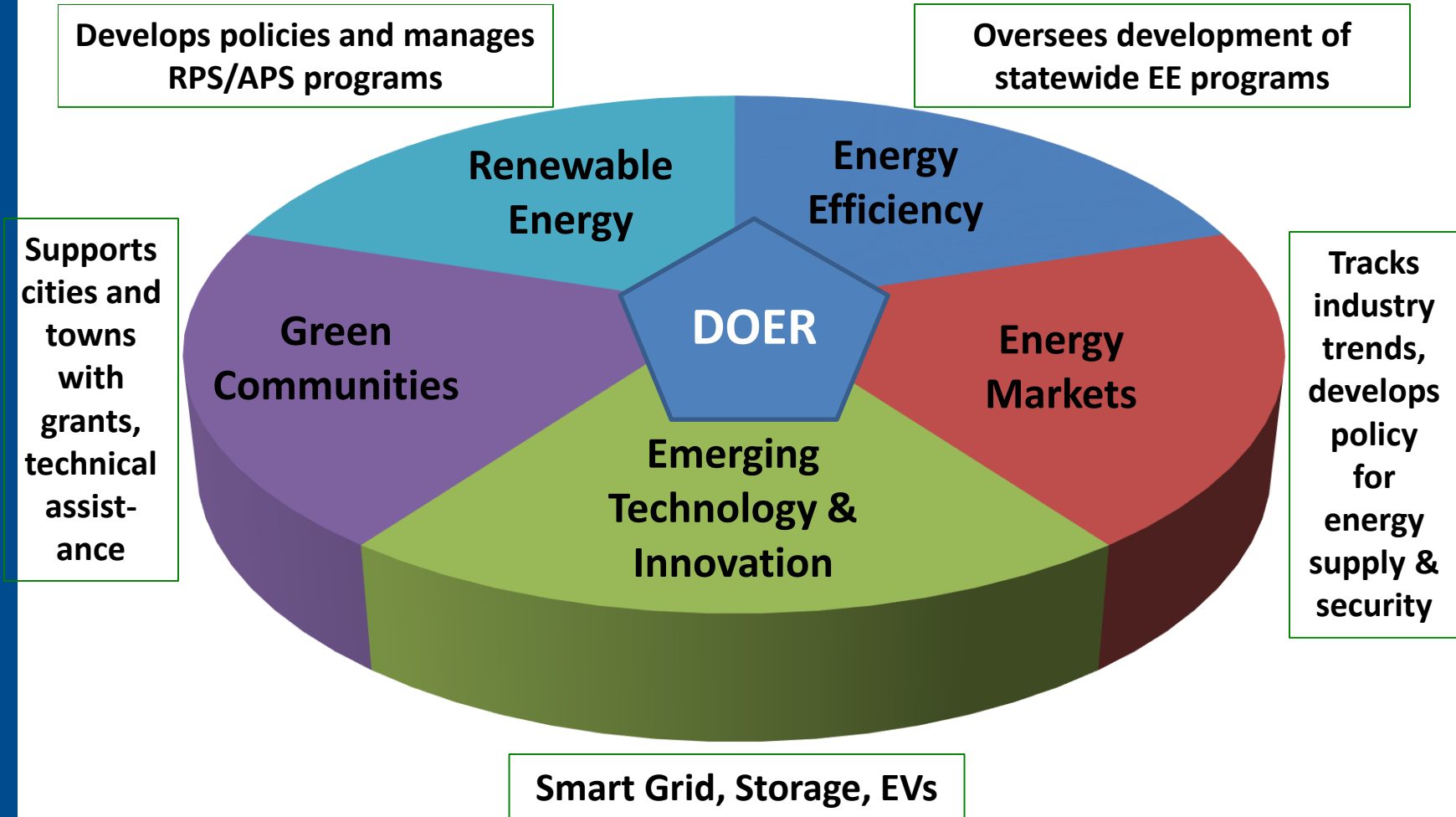
ACEEE Intelligent Efficiency Conference

DOER Commissioner Judith Judson

December 8, 2015

DOER Purpose and Organization

Creating a Clean, Affordable and Resilient Energy Future



Massachusetts Energy Approach

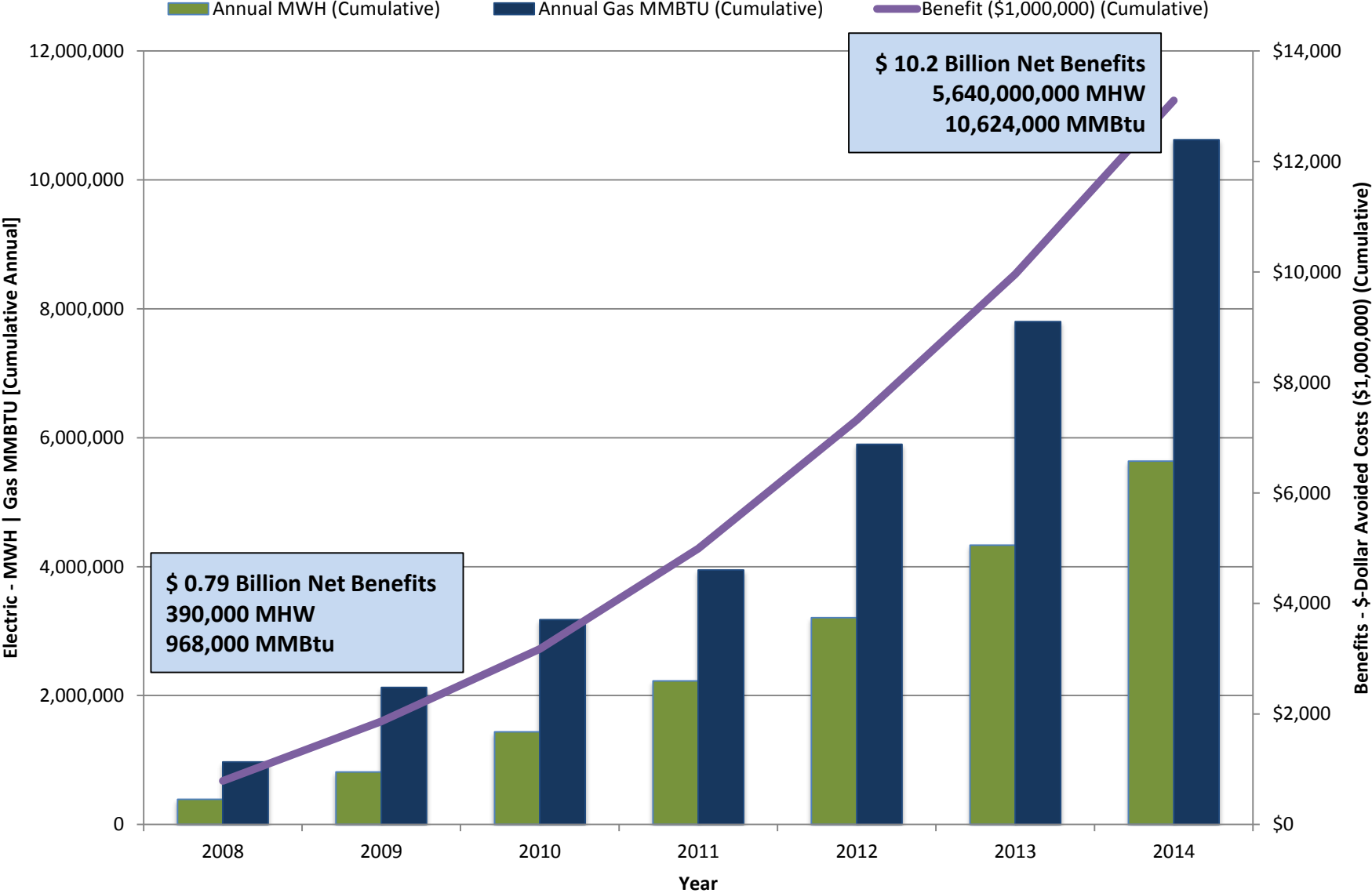
1. Reducing and **stabilizing the rising cost** of energy for consumers
2. Continuing the Commonwealth's commitment to a **clean energy future**
 - Meeting the Global Warming Solutions Act's (GWSA) GHG reductions: 25% by 2020 and 80% by 2050 (1990 baseline)
3. Ensuring that we have a **safe, reliable, and resilient** energy infrastructure.

Policy Framework for EE in Massachusetts



- State law requires pursuing “all cost-effective energy efficiency”
- Utilities coordinate on statewide EE plans deliver under single brand: Mass Save®
- Utilities develop 3-year plans that are approved by Department of Public Utilities
- Input into planning and execution of 3-year plans overseen by Energy Efficiency Advisory Council, a broad stakeholder body chaired by DOER

Growth in Energy Efficiency Savings & Benefits



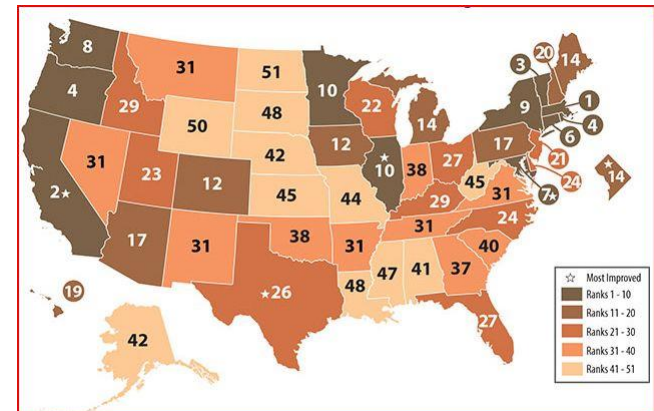
* 2014 data is preliminary

Energy Efficiency Leadership Continues

3rd Three Year Savings Plan (2016- 2018)

- Most aggressive energy efficiency goals in U.S.
- \$8 billion in economic, environmental and energy benefits
- Electric savings: 2.93% reduction in retail sales each year
- Gas savings: 1.24% reduction in retail sales each year

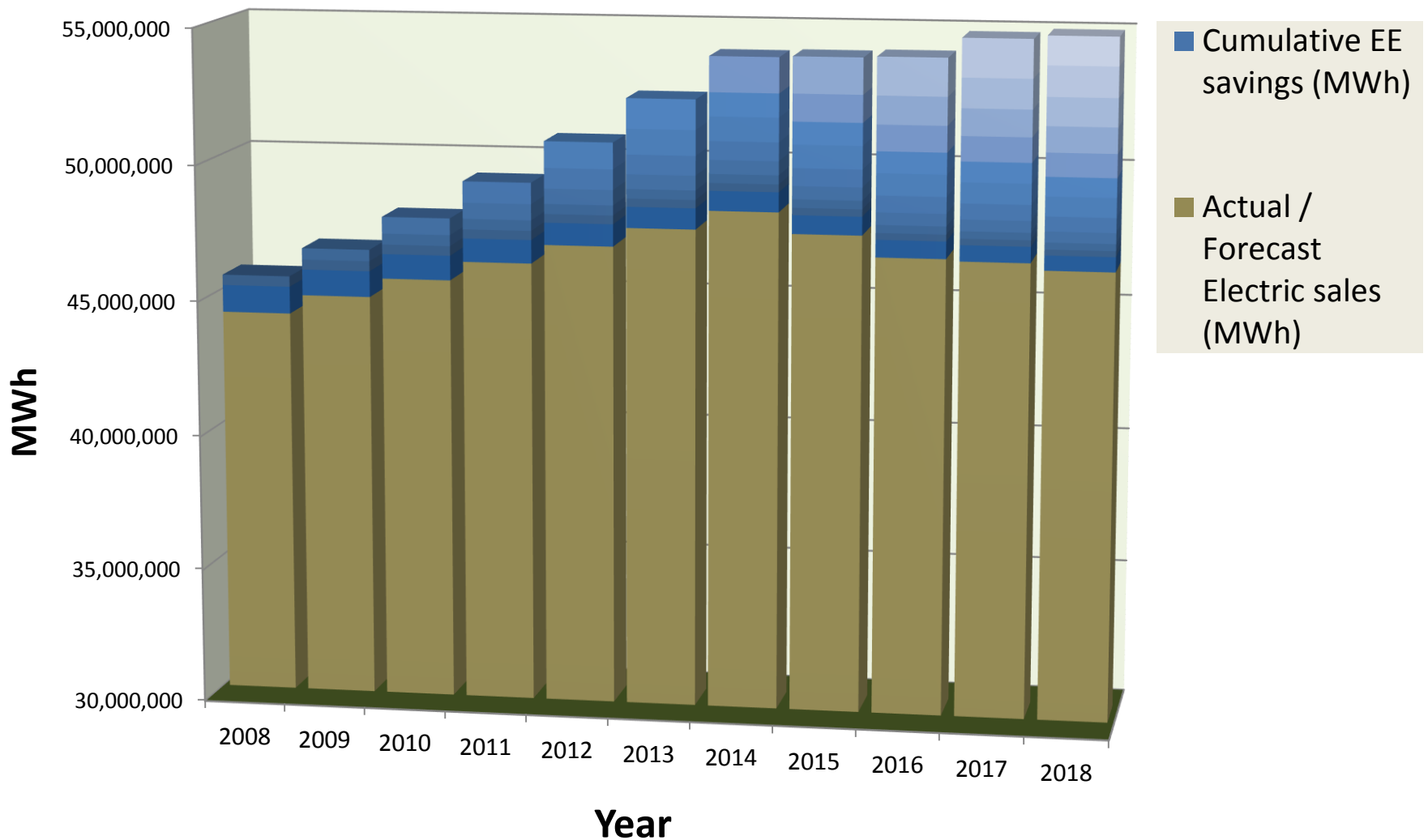
ACEEE ranks Mass. **#1** state for energy efficiency, **5th** year in a row



Growing Importance of Electric Efficiency

2008-2018

Cumulative impact of EE on MA electric load



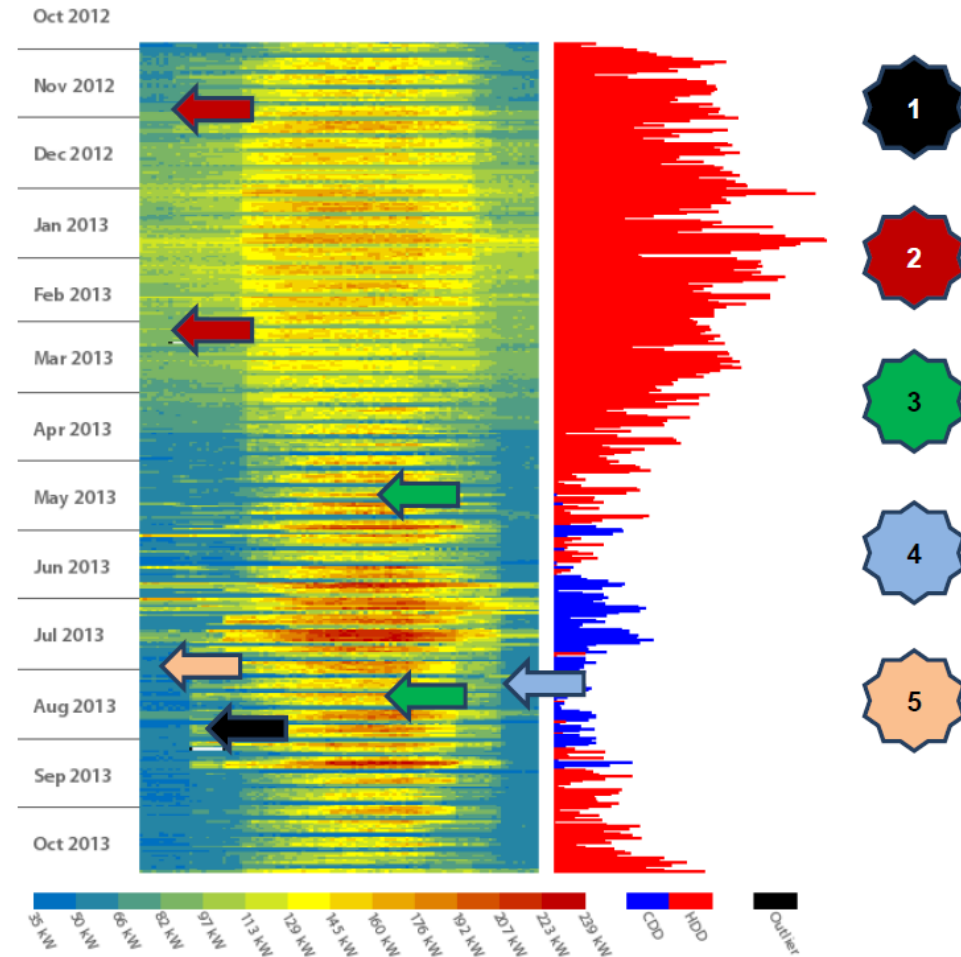
IEE Focus Area: Peak Demand Reduction



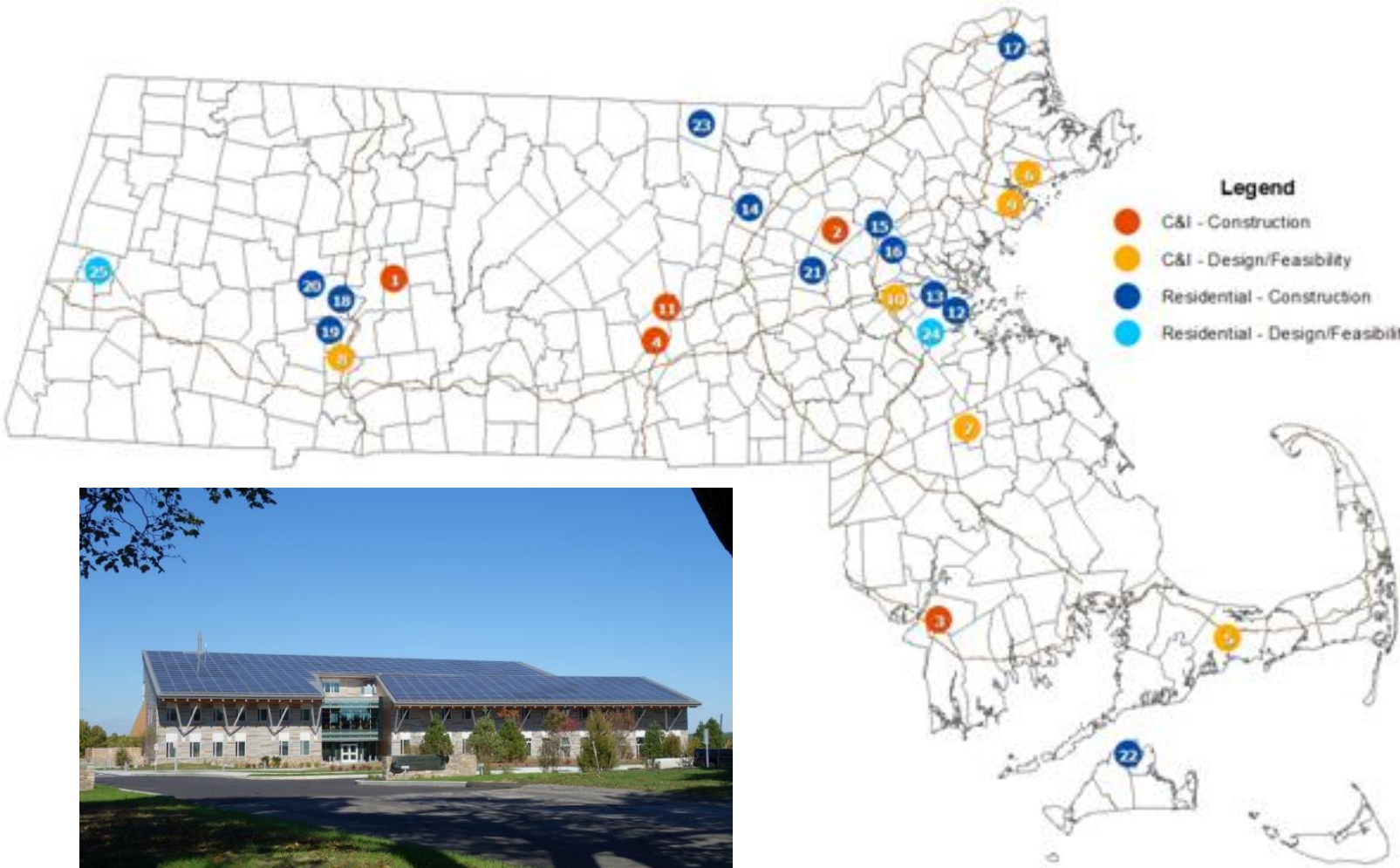
- Problem – summer and winter peak demand
- DOER seasonal peak reduction pilot with WiFi thermostats
- 2016-2018 EE plans include a demand reduction working group, to develop new initiatives

IEE Focus Area: Innovation in Technology and Program Delivery

- Problem – continuing to find cost-effective savings
- 2016-2018 plans include commitment to continuous integration of innovation
- DOER leading the way with demonstrations of low/no-touch, low-cost opportunity identification methods



Enabling IEE: Zero Net Energy Buildings

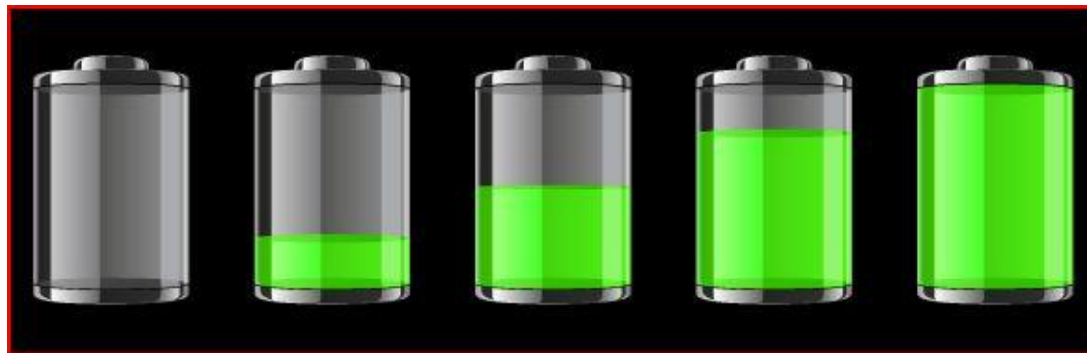


Enabling IEE: Energy Storage

- Storage is a **game changer** that can play a part in solving our energy challenges
- \$10 million Energy Storage Initiative includes **two-part study** as well as **demonstration projects**

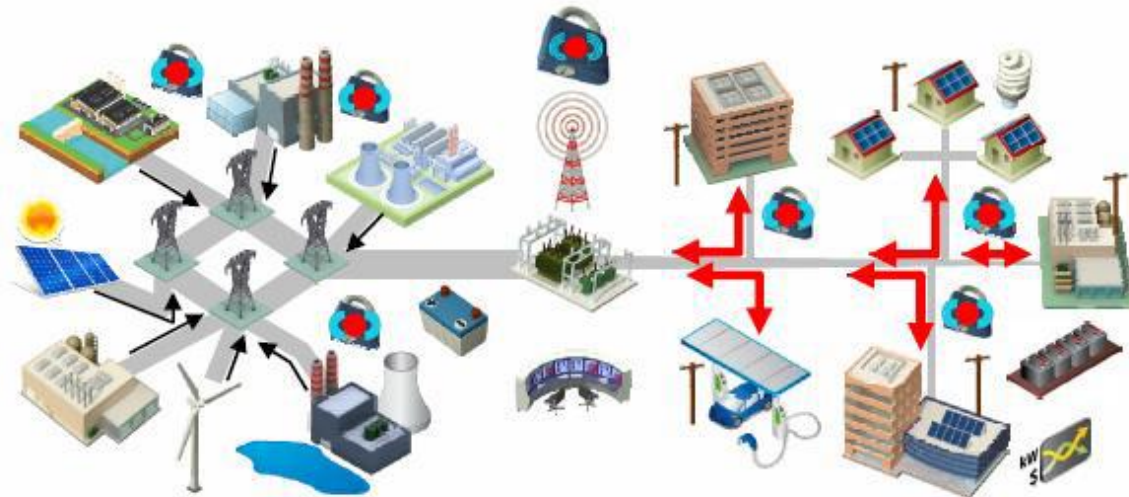
“The Commonwealth’s plans for energy storage will allow the state to move toward establishing a mature local market for these technologies that will, in turn, benefit ratepayers and the local economy. “

Gov. Baker, May 2015



What's next for IEE in MA?

- **Grid Modernization**
- **Resiliency**
 - \$40 million in municipal resiliency via clean energy
- **Electric Vehicles**
 - Install charging stations and spur the market for EV ownership



Thank you!