

Massachusetts New Paradigm for Energy Efficiency

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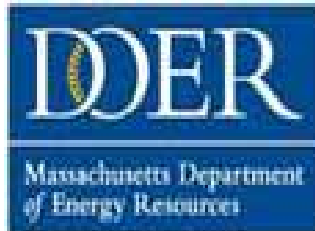
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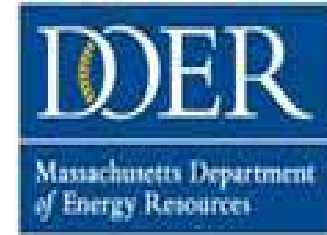
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<http://www.mass.gov/doer/>

Creating a Greener Energy Future for the Commonwealth



DOER Mission



Creating a Cleaner Energy Future for the Commonwealth

- Ensure deployment of all cost-effective energy efficiency
- Maximize development of clean energy resources
- Create and implement energy strategies to assure reliable supplies and improve the cost of clean energy relative to fossil-fuel based generation
- Support Massachusetts clean energy companies and spur Massachusetts' clean energy employment



Governor Patrick's Groundbreaking Legislation

- **Global Warming Solutions Act (GWSA)**

Economy-wide greenhouse gas (GHG) emission reduction goals to achieve GHG reductions of 25% below statewide 1990 GHG emission levels by 2020, and reductions of 80% below 1990 GHG emission levels by 2050.

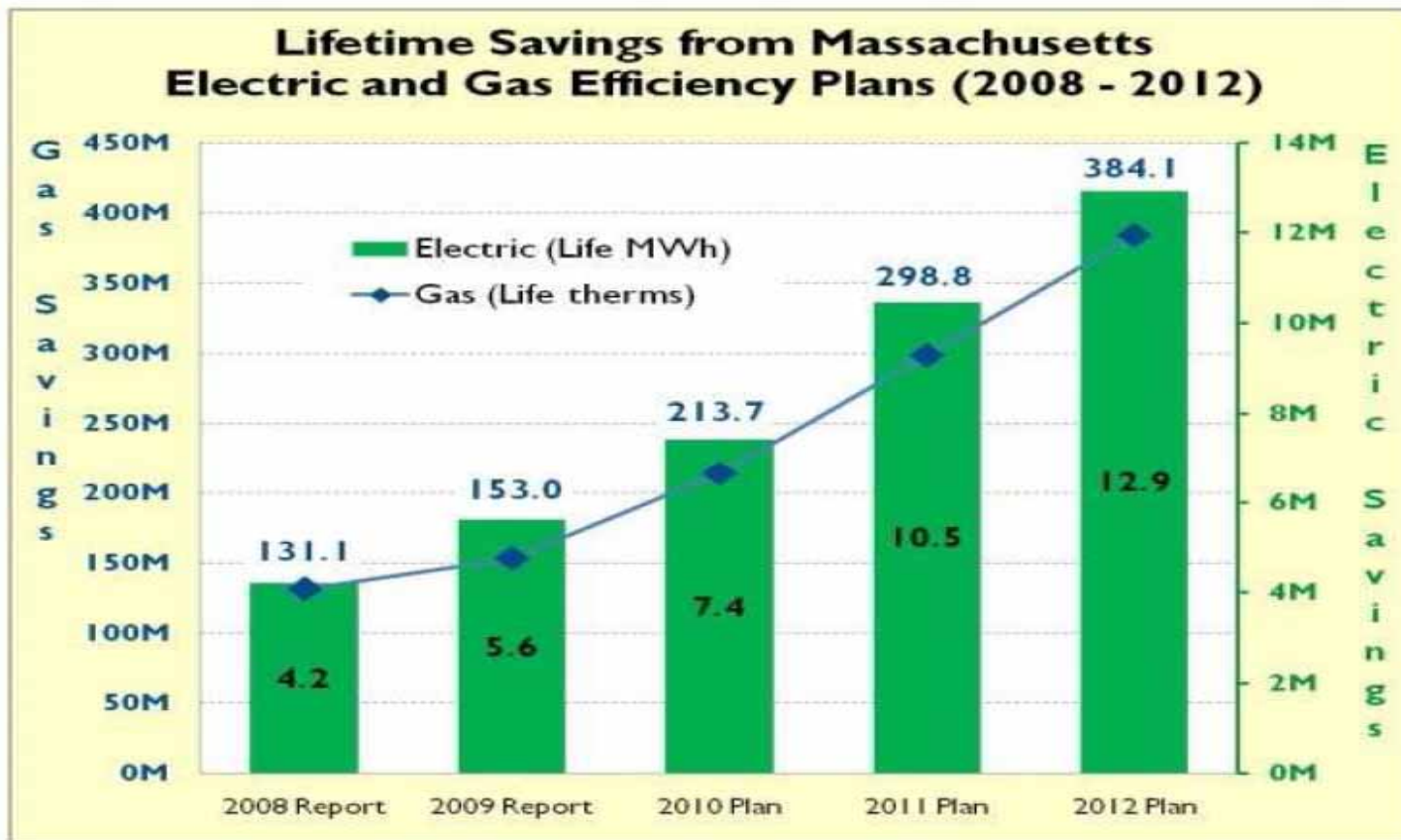
- **Green Communities Act (GCA)**

Electric and natural gas resource needs shall first be met through **all available, cost-effective energy efficiency** and demand reduction resources.

Rise in Energy Efficiency Efforts

All Available Cost Effective Energy Efficiency

- \$1.4B in utility funded programs
- \$2.2B in total costs and \$6B in total benefits



New Approach to Energy Efficiency

- **Statewide programs**

- Integrated gas & electric programs
- 8 unique Program Administrators collaborating
- Streamlining, reducing costs
- Single efficiency brand and marketing



- **Statewide Evaluation, Measurement & Verification**

- **Financing Tools for commercial and residential customers**

- **Pilots: better/faster tests**

- Behavior (residential/commercial)
- Deep Energy Retrofit
- Community Mobilization

- **Overseen by Energy Efficiency Advisory Council**

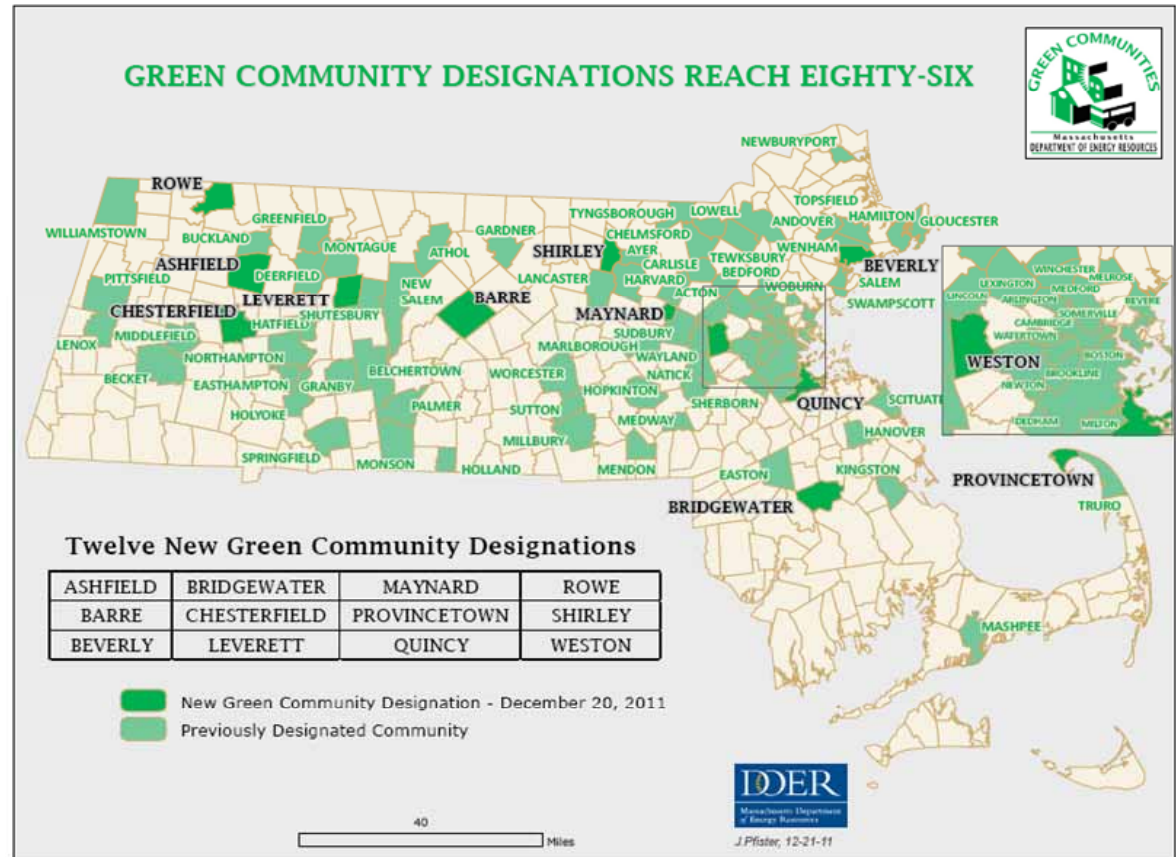
- 11 voting members, includes AG, DEP, DOER as Chair
- Stakeholders: business groups, unions, environmental groups, consumer advocates
- Council consultants provide 3rd party expertise and review

Establishment of a New Infrastructure



MA Green Communities

- **86 cities and towns** designated Green Communities, 45% of state population
- **Nearly \$18 million** invested to implement energy efficiency and renewable technologies
- **Total energy reductions** over five years of 20% base load
- **Energy Committees** driving change



Increased Involvement & Understanding

- EECBG, Stimulus funds
- Grant funding
- Community Mobilization Efforts
- Business groups
- Environmental groups



Working to drive and influence success through energy efficiency in Massachusetts

From here to where?

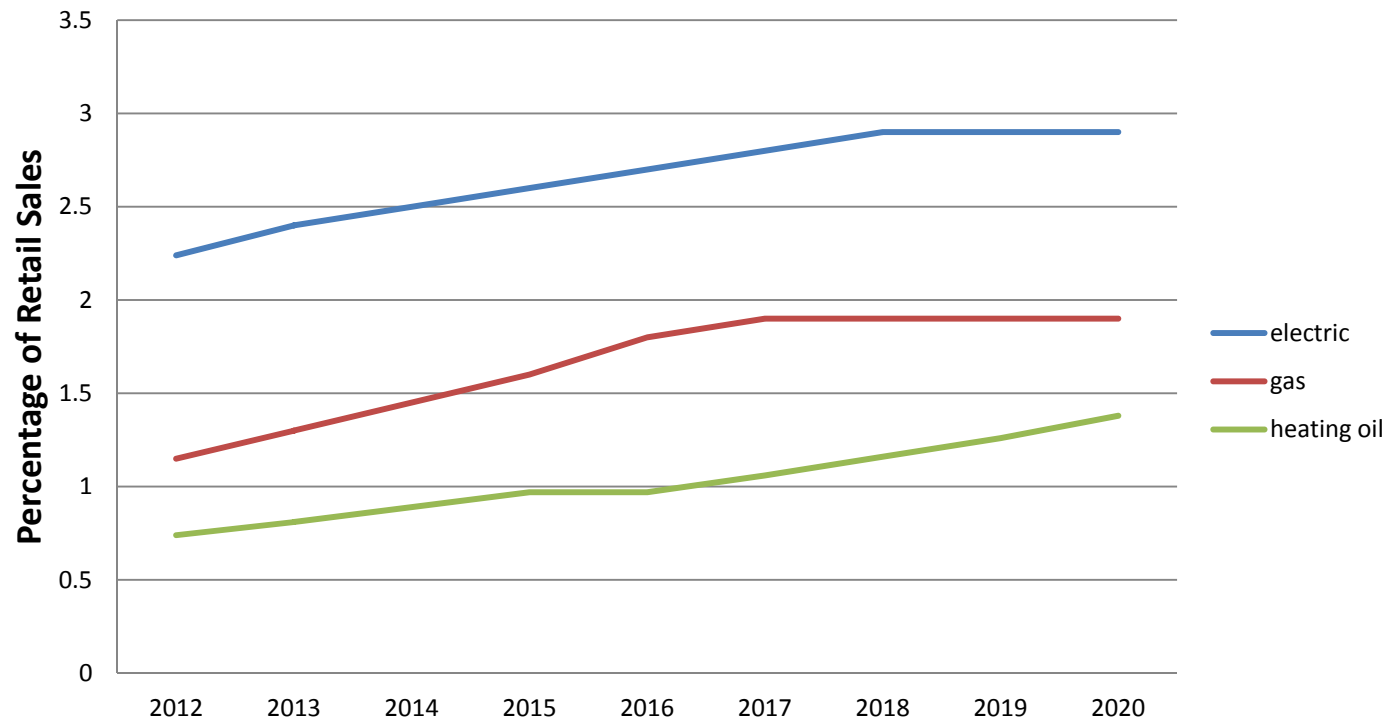
- **2010 was successful**; energy savings targets overachieved electric goals, short on gas goals, under spent budgets
- **2011 forecasts are strong**; gas still falling behind electric results
- **2012 represents another 20%** increase in goals
- **Planning** for 2013-2015



Developing the Next 3 Year Plans

- GWSA Goals for 2020
- All cost effective energy efficiency

Clean Energy Climate Plan Forecast for Energy Efficiency

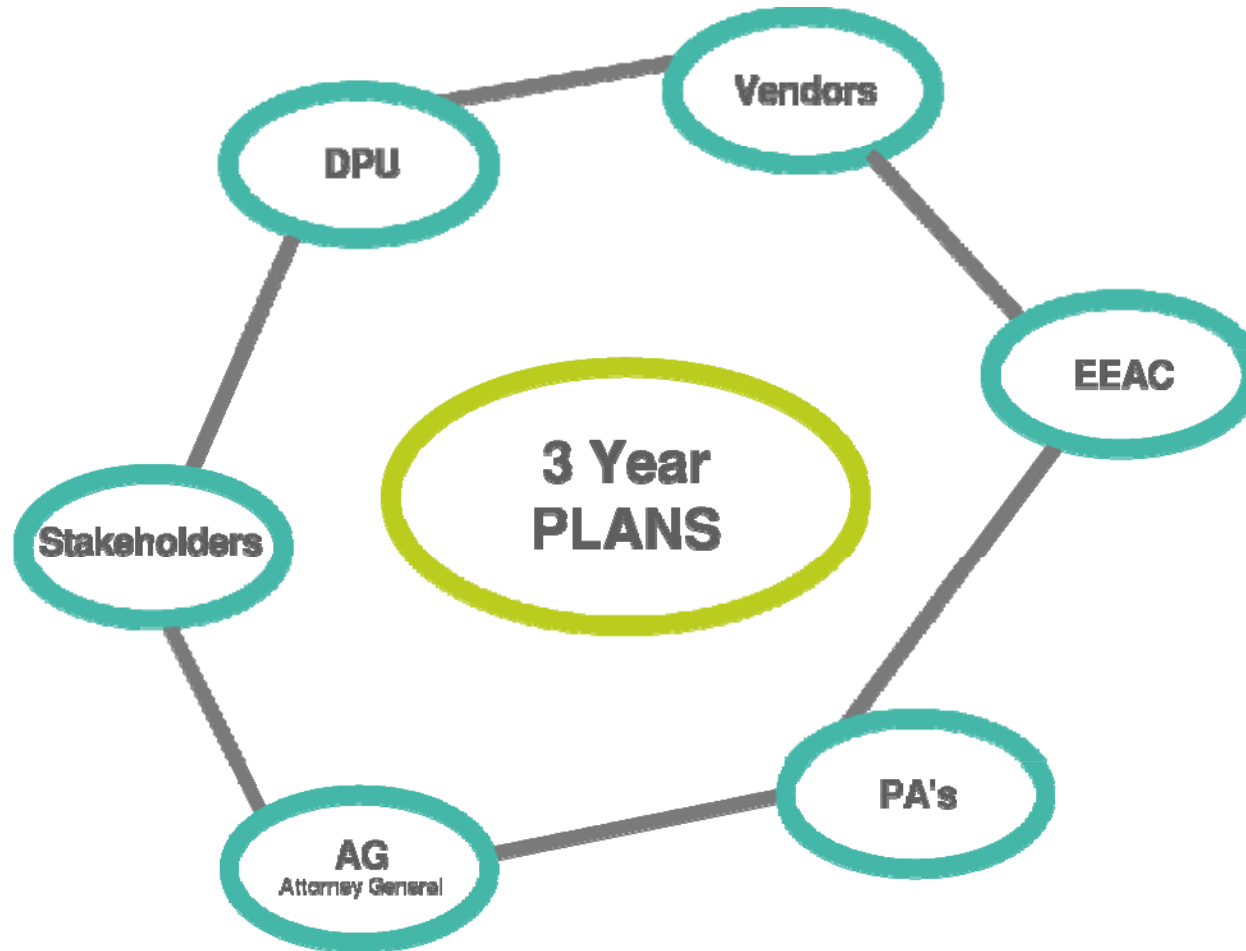


*amount determined to meet greenhouse gas reduction targets

Next Steps

- Stakeholder engagement in 3 year plans 2013-2015
- Best Practices based on 2 years experience or 25
- Market characterization - PAs
- Economic forecast - Council
- Focus groups and surveys – Commercial Properties, Hospitals, Residential retrofit (stakeholder driven)
- EM&V review
- Reduce Administrative Time and Costs
- Continue to develop codes and standards
- Develop building labeling model
- October 30 in statute for delivery of 3 year plans

Refining the Infrastructure



Aggressive, Progressive, Sustainable and Achievable Goals



Save the Date

May 15-17, 2012

**AESP's Spring Conference
Baltimore, MD**

Oct. 15-17, 2012

**AESP's Fall Conference
Long Beach, CA**

Jan. 28-31, 2013

**AESP's 23rd National Conference
Orlando, FL**

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