



NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

# 2013 MARKET TRANSFORMATION SYMPOSIUM REGIONAL ROUND-UP: NEW ENGLAND & NEW JERSEY

Sue Coakley, Executive Director  
Northeast Energy Efficiency Partnerships (NEEP)  
March 25, 2013

# Northeast Energy Efficiency Partnerships



<b>Year Founded</b>	<b>1996</b>
<b>Direct Legislative/Regulatory Oversight Bodies</b>	<p>None but:</p> <ul style="list-style-type: none"> <li>• Board of Directors with regional utility, state and advocate representation</li> <li>• Advisory Steering Committee of Public Utility Commissioners from 10 states plus NESCAUM for NEEP Regional EM&amp;V Forum</li> </ul>
<b>2011 Revenues</b>	\$6 million
<b>Annual Energy Efficiency Budget</b>	\$6 million
<b>Direct Customers Served</b>	Utilities, State Policy Leaders, Public Utility Commissions, State Energy Offices, Consumer Advocates, Air Regulators and associated efficiency advisory councils in 10 jurisdictions – New England, NY, MD, DE, DC
<b>Major Energy Efficiency Program Related Responsibilities</b>	
<b>Policy</b>	Yes
<b>Portfolio Planning and Budgeting</b>	Yes
<b>Market Assessment/Market Potential</b>	Yes
<b>Platform Design</b>	No – but offers guidance
<b>Program Design</b>	No – but offers guidance
<b>Program Implementation</b>	No – but offers tools and resources
<b>Program Measurement and Evaluation</b>	Yes
<b>Other Reporting and Program Support</b>	Yes

# New England & NJ State Summaries: Efficiency Budgets and Savings Impacts



State	MA	VT	CT	RI	NJ	NH	ME
2012 ACEEE Scorecard Ranking	#1	#5	#6	#7	#16	#18	#25
2013 Electric EE \$\$ (millions)	\$481.3	\$40.9	\$195.4	\$77.5	\$265	\$25	\$36
Electric EE program budget cycle	3-yr plan annual updates	3-yr budget updates	3-yr plan annual updates	3-yr plan annual updates	3-yr plan annual updates	2-yr plan annual updates	3-yr plan annual updates
2013 Electric annual savings goal: as % of sales	2.5%	1.9%	1.5%	2.1%	NA	0.5%	1.5%
2013 Demand savings goal: Annual MW	173.3	20.2	53.6	23.5	NA	8	23
213 EE T&D Investments & Savings – Geo-Targetting	No	Yes	No	Yes	?	?	?
2013 Gas EE \$\$ (millions)	\$168.4	\$2.3	\$36.2	\$18.3	Combined	\$6.3	\$0.5
2013 Gas savings goal: % of sales	0.9%	1.3%	0.4%	0.5%	NA	0.4%	0.03%
Gas EE program budget cycle	3-yr plan annual updates	N/A	3-yr plan annual updates	3-yr plan annual updates	3-yr plan annual updates	2-yr plan annual updates	3-yr plan
Oil Heat EE Funding Status	Pending	RGGI funded	Pending	No	No	No	No
2011 Efficiency Program Proceeds from RTO Forward Capacity Market	Yes	Yes	Yes	Yes	None	Yes	Yes

# New England & NJ State Summaries

## Emission Reductions & Complementary Policies



State	MA	VT	CT	RI	NJ	NH	ME
<b>2012 ACEEE Scorecard Ranking</b>	#1	#5	#6	#7	#16	#18	#25
<b>2011 NO<sub>x</sub> Reductions (Electric only)</b>	399,367 lbs.	45,961 lbs.	132,242 lbs.	45,770 lbs.	598,858 lbs.	23,680 lbs.	63,802 lbs.
<b>2011 SO<sub>x</sub> Reductions (Electric only)</b>	903,333 lbs.	103,961 lbs.	299,117 lbs.	103,527 lbs.	2.38 million lbs.	53,562 lbs.	144,313 lbs.
<b>2011 CO<sub>2</sub> Reductions (Electric only)</b>	741.7 million lbs.	85.4 million lbs.	245.6 million lbs.	85 million lbs.	529.9 million lbs.	44 million lbs.	118.5 million lbs.
<b>Statewide Building Energy Codes Status</b>	2009 IECC + stretch code	2009 IECC	2009 IECC	2009 IECC	2009 IECC	2009 IECC	No statewide energy code
<b>Building Energy Rating</b>	Boston - pending	Proposed	Proposed (C/I)	NO	NO	NO	NO
<b>High Performance Public Buildings &amp; Schools</b>	YES	NO	YES	YES	YES	NO	NO
<b>2013 State Appliance Standards Proposed</b>	YES	NO	NO	YES	NO	NO	NO
<b>State supported EE Financing</b>	YES	YES	YES	YES	YES	NO	YES

### References

- 2011 Data - Regional Energy Efficiency Database <http://www.neep-reed.org>
- 2013 Data - Filed program plans & budgets - MA, VT, CT, RI, NJ, NH & ME
- [2012 NEEP Regional Round-up of Energy Efficiency Policies in Northeast & Mid-Atlantic States](#)

# New England & NJ Efficiency Programs

## 2011 Performance vs. 2013 Goals - GROWTH!



Year	2011 (Final)				2013 (Goals)			
State	Electric \$ (mill.)	Electric Savings (vs. sales)	Gas \$ (mill.)	Gas Savings (vs. sales)	\$\$ (mill.)	Electric Savings (vs. sales)	Gas \$ (mill.)	Gas Savings (vs. sales)
MA	\$389.7	1.9%	\$105.8	0.6%	\$481.3	2.5%	\$168.4	0.9%
VT	\$39.2	1.8%	\$1.9	1.3%	\$41	1.9%	\$2.2	0.8%
CT	\$138.8	1%	\$19.4	0.3%	\$195.4	1.5%	\$36.2	0.4%
RI	\$41	1.3%	\$4.8	0.35%	\$77.5	2.1%	\$18.3	0.5%
NJ	\$149.7	0.6%	N/A	0.2%	~\$265	N/A	N/A	N/A
NH	\$23.3	0.5%	\$4.6	0.42%	\$25.1	0.5%	\$6.3	0.4%
ME	\$23.3	1.2%	\$0.45	0.03%	\$36.3	1.5%	~0.5	0.03%

# KEY TRENDS



## Public Policy & EE Programs

- Efficiency funding increasing → all cost effective efficiency
- Impacts: ISO/New England - no energy growth next 10 years!
- Statewide Electric & Gas Programs → EE Advisory Council Input
- Strategies to Scale Up:
  - Sector-specific program strategies & services
  - Comprehensive retrofit
  - Industrial combined heat & power
  - Innovation: consumer behavior, new technologies, controls
  - New market channels
  - Community engagement
- EM&V: new approaches to net savings and cost-effectiveness
- Financing Innovation: PACE, public-private partnerships
- Heating Oil Efficiency: Funding & programs proposed
- **New!** State Clean Air Implementation Plans: include efficiency

# KEY TRENDS



## High Performance Buildings

- Progressive building energy codes - state stretch codes & compliance
- Codes & Standards - efficiency programs - energy savings attribution
- Building Energy Rating & Disclosure - proposed in three jurisdictions
- Zero Net Energy - State Buildings/Schools in two states

## High Efficiency Products

- Emerging Tech: solid state lighting & heat pumps - *big energy savings*
- Promoting quality super-efficient products:
  - TopTen USA - four states
  - DesignLights Consortium® Qualified Products List

## Visibility

- Business messengers for efficiency benefits
- Regional Energy Efficiency Database: first regional savings dashboard

<http://www.neep-reed.org>



**Thank you!**

**Sue Coakley,**  
**[scoakley@neep.org](mailto:scoakley@neep.org)**

Northeast Energy Efficiency Partnerships  
91 Hartwell Ave Lexington, MA 02421  
P: 781.860.9177 [www.neep.org](http://www.neep.org)