

NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

ENHANCING CODE COMPLIANCE THROUGH UTILITY CLAIMED SAVINGS

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Greenbuild 2013

NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

"Accelerating Energy Efficiency"

MISSION

Accelerate the efficient use of energy in the Northeast and Mid-Atlantic Regions

APPROACH

Overcome barriers to efficiency through Collaboration, Education & Advocacy

VISION

Transform the way we think about and use energy in the world around us.

One of six Regional Energy Efficiency Organizations (REEOs) designated by U.S. Dept. of Energy to work collaboratively with them in linking regions to DOE guidance, products



FOR TODAY'S DISCUSSION

- Background / Recent Trends
- Claiming Savings from Building Energy Codes Activities
- Best Practices

RECENT TRENDS

Aggressive new goals directing capture of all costeffective efficiency

- CT, MA, NY, RI VT
- \$2.5 billion committed to efficiency programs in New England, New York and Mid-Atlantic last year
- Multiple funding sources: SBC, RGGI, FCM, rate factors
- Next generation of efficiency plans going broader & deeper

RECENT TRENDS

STATES RECOGNIZING VALUE OF ENERGY CODES

- Beyond/stretch codes: MA, several local jurisdictions
- Automatic update provisions in energy laws
- Compliance commitments through ARRA
- Higher costs associated with EE programs going deeper and broader to capture savings
- Codes recognized as cost-effective savings opportunity
- Nearly all of region updated to 2009 IECC (some beyond)
- Programs moving to whole building, all fuels approaches

RECENT TRENDS

PRACTICAL FACTORS

- State code and energy offices lacking resources
- Utilities have program funding, expertise, customer relationships
- History of PA involvement:
 - MA utility support with 1st stretch code
 - EVT support to municipalities without enforcement officials
 - CT utility code training programs

THE NEED

IF WE ARE TO ALLOW UTILITY CODE PROGRAM WORK...

- ✓ Reach agreement on savings
- ✓ Need to allow programs to claim savings when those savings are hard to quantify
- ✓ Recognize relation of changing baselines, evolving goals

AND, AS A FOLLOW-ON, VALUE BUILDING ENERGY PERFORMANCE

- ✓ Need an MPG-like guide for properties
- ✓ More/better information drives informed decisions
- ✓ Markets value energy performance
- √ Financing should follow

ATTRIBUTING ENERGY CODE SAVINGS

FINAL REPORT

Attributing Building Energy Code Savings to Energy Efficiency Programs

February 2013



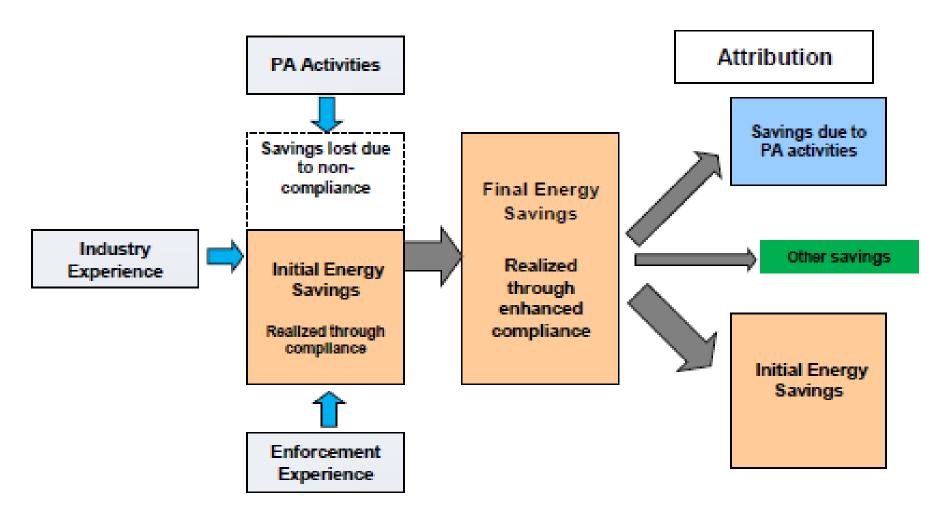




...To Energy Efficiency Programs

- Convene stakeholder advisory group
- Identify issues related to PA support for codes (and standards)
- Provide procedural guidance for policymakers/regulators, including:
 - ✓ State level estimates of savings potential
 - Guidelines on attribution methods
 - ✓ Development, Adoption & Compliance

ES Figure 4. General Model of Energy Code Compliance Enhancement Evaluation and Attribution to Utilities / PAs

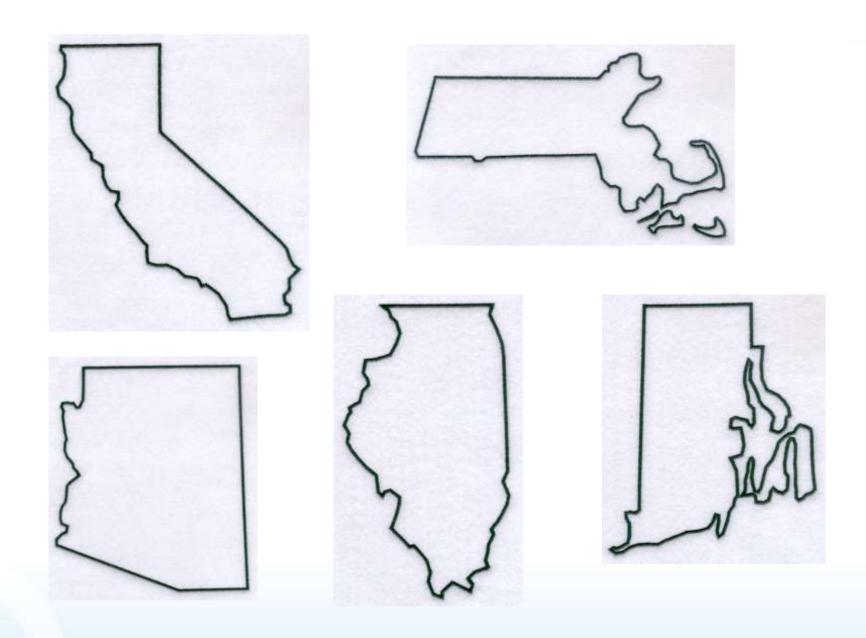


RECOMMENDED ACTIVITIES FOR UTILITIES / PROGRAM ADMINISTRATORS

- Assess compliance with the existing code
- Conduct training of code officials and industry
- Provide technical assistance, materials, and equipment to code officials and industry.
- Support third-party enforcement or specialized inspection



WHERE THIS IS OCCURRING



WHERE THIS IS OCCURRING

MASSACHUSETTS

Code activities in next ('13-'15) coordinated statewide plan:

- Activities to focus on code/stretch code development support
- Code compliance support (training/education)
- Code advocacy

CONNECTICUT

- Regulators have included language in DSM program orders directing work on codes and standards, but with little direction
- Did not allow claimed savings
- New DEEP very interested in advancing building efficiency
- Utilities have plans in place for fairly aggressive training schedule

WHERE THIS IS OCCURRING

VERMONT

- Efficiency Vermont allowed to claim limited savings from role as code resource "support center" for municipalities without own code officials
- Interest in taking activities to a higher level of involvement

NEW YORK

- NYSERDA "Technology and Market Development" programs, i.e., SBC IV programs, includes general proposals to advance codes and standards
- Have more regulatory flexibility than EEPS/utility programs
- To build on ARRA-funded efforts (training, baseline assessment)
- To include:
 - Annual compliance assessments
 - Advanced training/tools
 - Technical/analytical support
 - Code development/adoption support

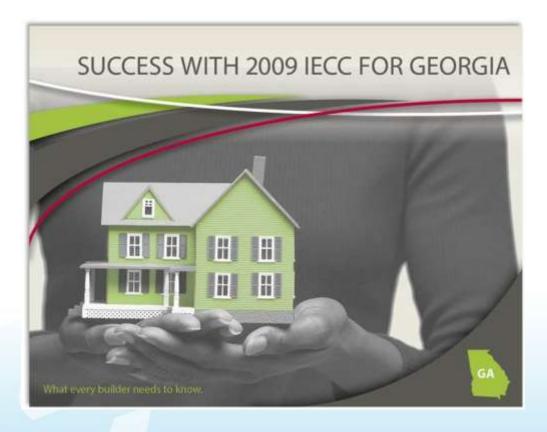
BEST PRACTICE RHODE ISLAND

- Trainings
 - Vary types and locations
- Technical assistance circuit riders
 - Personal interaction
- 3rd party energy specialists
- Beyond energy codes



DOCUMENTATION TOOLS RESIDENTIAL AND COMMERCIAL

- Compliance manuals
- Software and web-based compliance tools
- Building practices
- Quick resources





RHODE ISLAND IN PROGRESS

- Further refine methodology
- Robust training plan underway
- Focus groups
- Circuit riders
- Code Collaborative expansion
- Baseline code compliance assessment (2015/6)



RESOURCES

Attributing building energy codes savings to energy efficiency programs

http://neep.org/uploads/EMV%20Forum/EMV%20Products/NEEP _IMT_IEE_Codes%20Attribution%20FINAL%20Report%2002_16_201 3.pdf

NEEP's Model Progressive Building Energy Code Policy

http://neep.org/public-policy/building-energy-codes/modelpolicy



THANK YOU

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