



NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

Claiming Savings from Building Codes Activities

Presented by

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April 4, 2012

DOE Code Compliance Meeting

FOR TODAY'S DISCUSSION



- Background
- Claimed Savings Report
- Best Practice - Rhode Island

RECENT TRENDS



Aggressive new goals directing capture of all cost-effective efficiency

- **CT, MA, NY, RI VT**
- \$2.5 billion committed to efficiency programs in New England, New York and Mid-Atlantic in 2012
- Multiple funding sources: SBC, RGGI, FCM, rate factors
- Next generation of efficiency plans going broader & deeper

ATTRIBUTING ENERGY CODE SAVINGS

ENERGY EFFICIENCY PROGRAMS



FINAL REPORT

Attributing Building Energy Code Savings to Energy Efficiency Programs

February 2013



Northeast Energy Efficiency Partnership



IEE | INNOVATION
ELECTRICITY
EFFICIENCY
An Institute of The Edison Foundation



Institute
for Market
Transformation

- 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**

ATTRIBUTING ENERGY CODE SAVINGS

ENERGY EFFICIENCY PROGRAMS



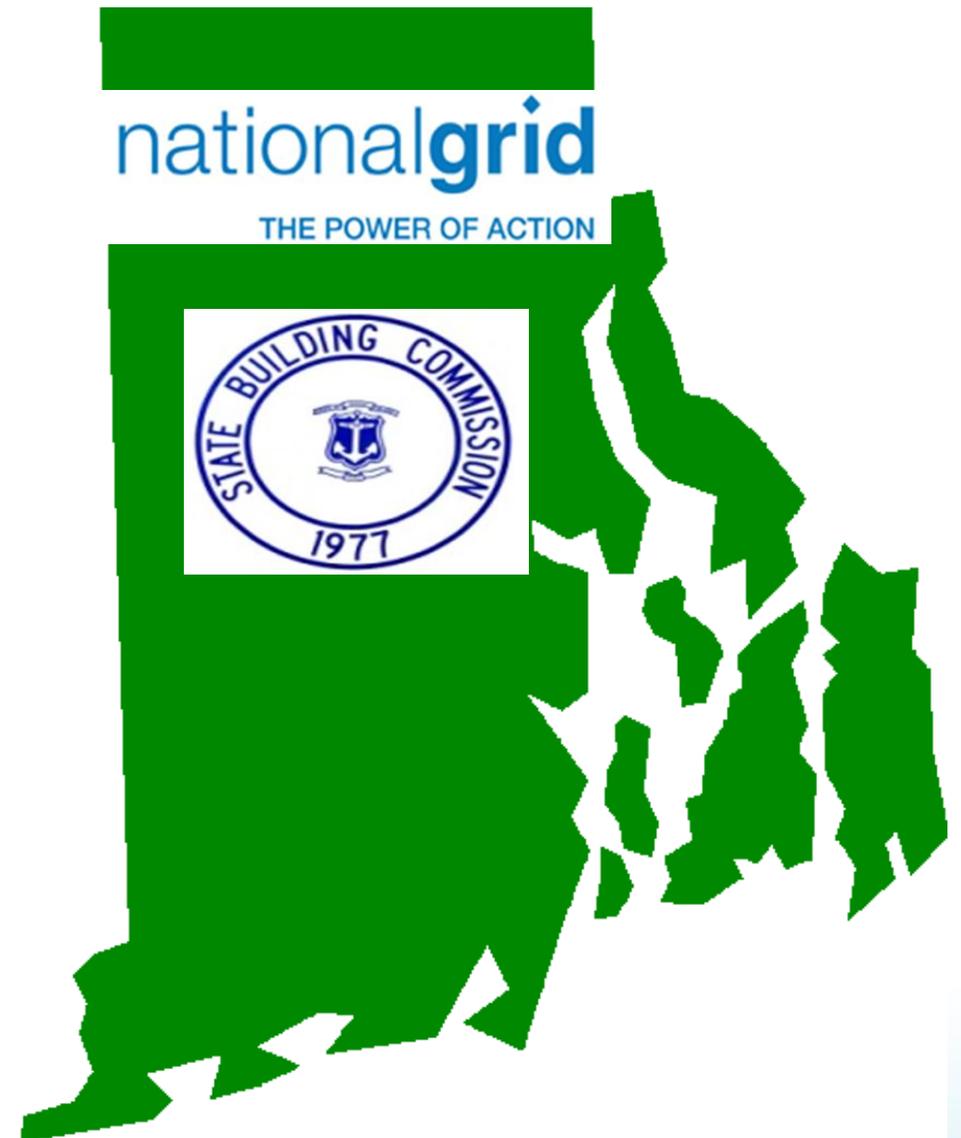
- Assess compliance with the existing code
- Conduct training of code officials and industry
- Provide technical assistance, materials, and equipment to code officials and industry.
- Support third-party enforcement or specialized inspection



BEST PRACTICE RHODE ISLAND



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

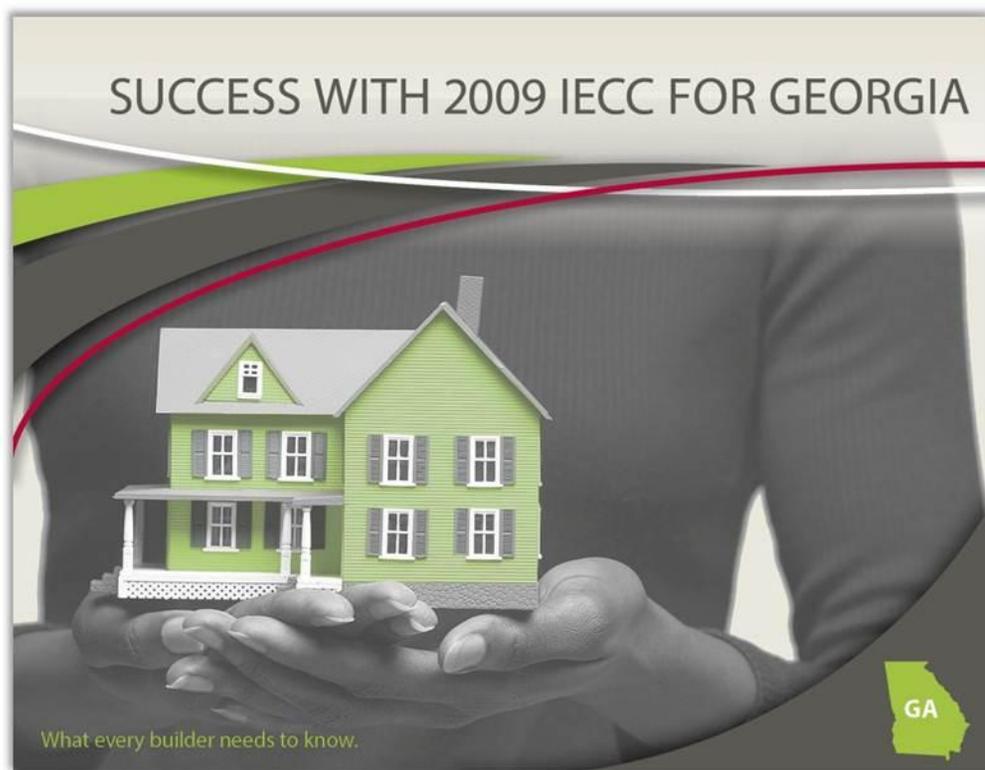


DOCUMENTATION TOOLS

RESIDENTIAL AND COMMERCIAL



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



GA TECH TIPS: ELECTRICAL

SUCCESS WITH 2009 IECC FOR GEORGIA

2. Air seal electrical penetrations between conditioned and unconditioned space. Use fire-rated sealants where applicable.

3. Install recessed lighting fixtures that are insulation-contact rated (IC), sealed to drywall with caulk foam or gasket, and are airtight or are located in an airtight sealed box.

4. Coordinate bath fan exhaust duct direction with HVAC contractor.

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NO SEAL **SEAL** **NOT IC AND AIR TIGHT** **IC AND AIR TIGHT**

WRONG DIRECTION **RIGHT DIRECTION** **WRONG DIRECTION** **RIGHT DIRECTION**

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RHODE ISLAND NEXT STEPS



- Further refine methodology
- Hire contractor
 - Focus groups
- 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_2013.pdf

NEEP's Model Progressive Building Energy Code Policy

<http://neep.org/public-policy/building-energy-codes/model-policy>



THANK YOU

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Washington, DC

ATTRIBUTING ENERGY CODE SAVINGS ENERGY EFFICIENCY PROGRAMS



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

