

NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

Getting to Zero National Forum

Stretch Codes, Utility Programs, and Innovative Policies - How Hard Is It?

Presented by

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NASEO/ NBI ZNE SUMMIT

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.



WORKING TOWARDS ZERO

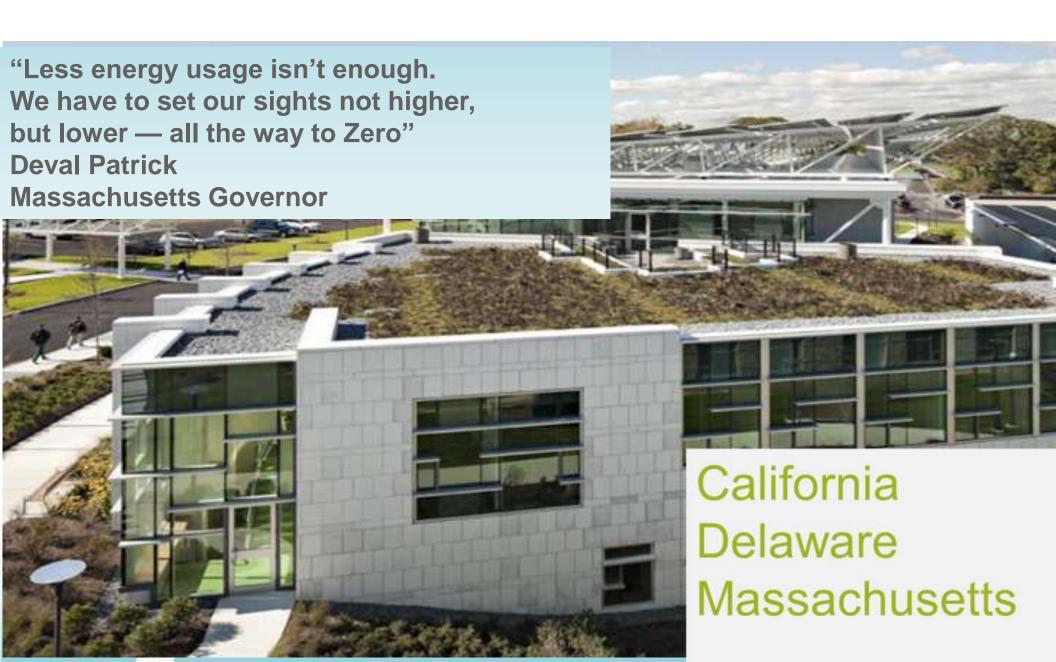


NEEP's vision

The work done today on High Performance Buildings will pave the way for the development of zero net energy buildings, buildings that consume no more energy than they produce, on a broader scale throughout the region.

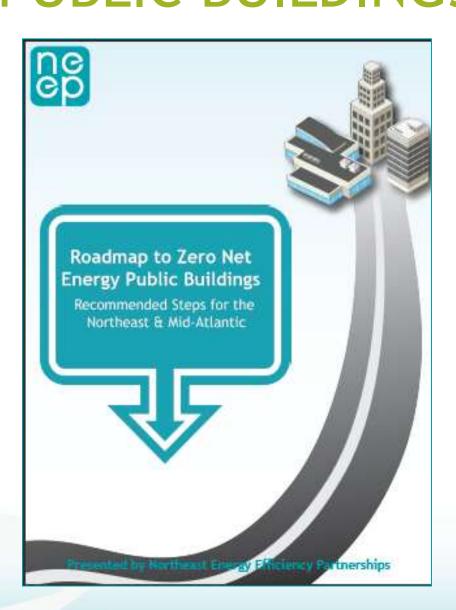
ZNE POLICY





ROADMAP TO ZERO NET ENERGY PUBLIC BUILDINGS





- New Construction
- Developed with Leadership Group
- Key steps
 - Intermediate-term
 - 10-15 years
 - Critical
 - Now



INTERMEDIATE-TERM STEPS



Information and Education



Building Energy Codes



Utility Regulation



Finance

PATH TO ZERO State energy code adoptions



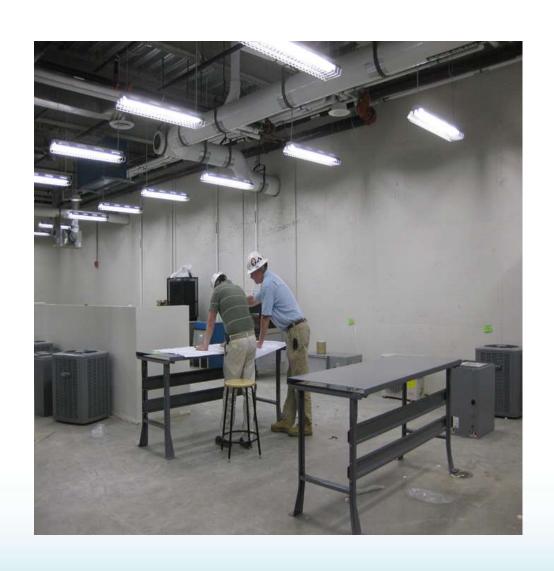
2012 IECC / ASHRAE

Adopted / Effective

- Maryland
- Rhode Island
- Massachusetts

In process

- Connecticut
- Delaware
- New York
- New Jersey
- Vermont
- Washington, DC



ENERGY SAVINGS GOALS

Examples: Above code requirements, State funded



CONNECTICUT	21 percent above energy code
MAINE	20 percent above energy code
MASSACHUSETTS	20 percent above energy code
NEW YORK	20 percent above energy code



MASSACHUSETTS



Appendix 115.AA (120.AA)'Stretch' Energy Code

- Appendix to the 8th addition of the MA building code
- BBRS Adoption May 12, 2009
- One alternative energy code for communities wanting a more energy efficient option
- About 20% more stringent
- Support from PA's
 - Development
 - Cost effectiveness Analysis
 - Training

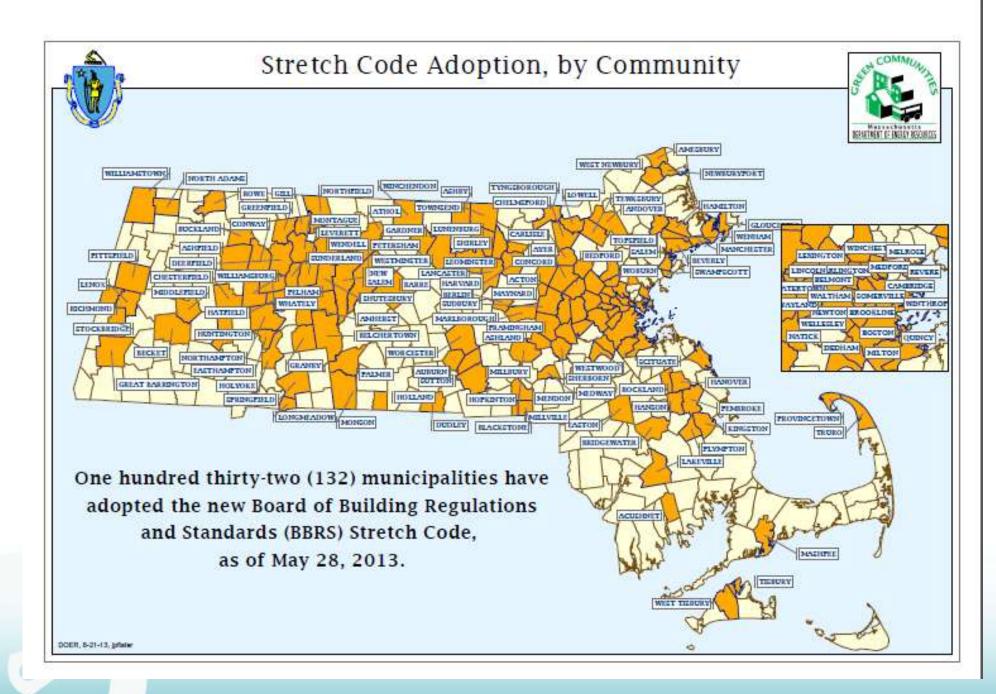




Next version stay tuned!

MASSACHUSETTS





NEEP MODEL "STRETCH" CODE



- Developed by NEEP, NBI and Mathis Consulting
- Model Stretch code energy targets
 - 10-15% beyond base code
- May be voluntary
- May utilize for specific policy/program needs that may require higher targeted goals
- Tied into utility incentive programs

RHODE ISLAND



- IgCC State Funded Projects
 - Schools NE-CHPS
- Voluntary Stretch Code
 - Commercial Buildings
- Code compliance initiative
- National Grid Key Partner
- Benchmarking
- 20% reduction goals





THE PATH TO ZERO Collaboration



"It is a testament of the guideline of NE CHPS and the town and the team working in an integrated fashion to get a project with such efficient building within the normal school project budget"

Chin Linn, HMFH Architects



PUBLIC SECTOR Advancing ZNE



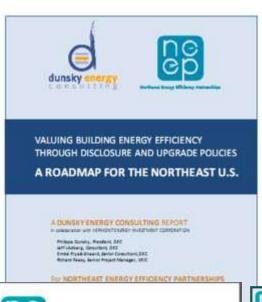
- Has a responsibility to lead.
- Has a longer investment horizon.

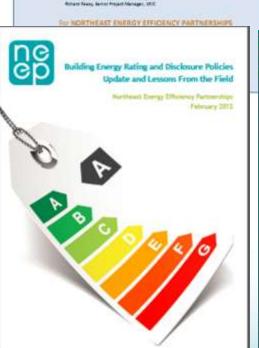


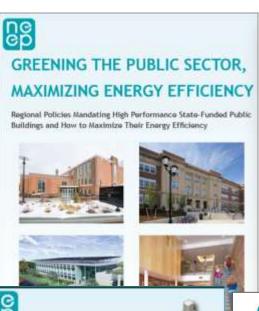
Image courtesy of the Putney School, VT

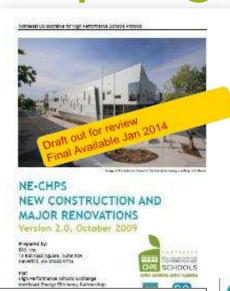
RESOURCES

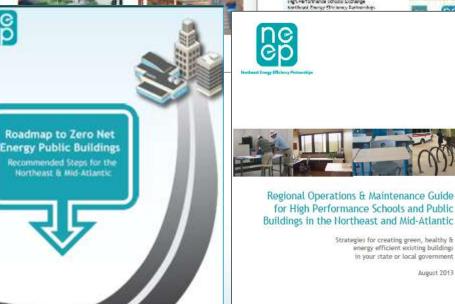
Available at www.neep.org





















Energy Codes Policy

Hurthwist Energy Efficiency Partnerships Havember 2012



THANK YOU

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