Creating a Clean, Affordable and Resilient Energy Future for the Commonwealth

Building Energy Code - Development

NASEO Energy Policy Outlook Conference
Feb 10, 2016

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Energy Efficiency Division Director
Agenda

• MA Building Energy Code
  – Key policy tied to the IECC cycle
• IECC key developments
• IECC 2018
  – Online voting
Building Energy Code is a big part of Energy Efficiency Policy

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MA Energy Code in Statute

• MGL CH143 Section 94:
  – “To adopt and fully integrate the latest International Energy Conservation Code as part of the state building code, together with any more stringent energy-efficiency provisions that the board, in consultation with the Department of Energy Resources, concludes are warranted.”
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National Model code development

2008
IECC 2009
• 14%* savings vs. IECC 2006

2011
IECC 2012
• 24%* savings vs. IECC 2009
• 34%* vs 2006

2014
IECC 2015
• 0.7%* savings vs. IECC 2012

ASHRAE COMMERCIAL CODE OPTION

90.1 2007
• 4.6%* savings vs. ASHRAE 90.1-2004

90.1 2010
• 18.5%* savings vs. ASHRAE 90.1-2007

90.1 2013
• 8.7%* savings vs. ASHRAE 90.1-2010

* National savings are higher than MA (zone 5), but illustrative
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State and Local role in development

Code Changes Submitted → New Edition Published

Code Change Agenda Posted → Committee Action Hearing (CAH)

Committee Action Hearing (CAH) → Online CAH Assembly Floor Motion Vote

Online CAH Assembly Floor Motion Vote → CAH Results Posted

CAH Results Posted → Public Comments Submitted

Public Comments Submitted → Online Governmental Consensus Vote (OGCV)

Online Governmental Consensus Vote (OGCV) → Public Comment Hearing (PCH)

Public Comment Hearing (PCH) → Public Comment Agenda Posted

Public Comment Agenda Posted → I-CODE DEVELOPMENT CYCLE POWERED BY cdpACCESS®
MA migrations to IECC Model Code

• IECC 2009: Continuous Air Barrier
  – MA 6th edition Commercial code

• IECC 2012: Blower door test
  – MA 7th edition Residential code

• IECC 2012: Section C406 – Additional Efficiency Options
  – MA 2009 Commercial Stretch energy code

• IECC 2015: HERS (ERI) rating compliance path
  – MA 7th edition Residential Code
Key Votes at IECC public comment hearings

• IECC 2009 – Minneapolis
  – Major EE proposal failed to pass by 5 votes
    • MA had 5 of 12 votes attending
• IECC 2012 - Charlotte
  – 30% EE package passed easily
    • MA had demonstrated adoption in stretch code
• IECC 2015 – Atlantic City
  – ERI (HERS rating) compliance path
  – Domestic Hot water Piping design
• IECC 2018 – Kansas City – Oct 2016
Resources for States and Local officials

• Discussion at the DOE National Codes Conference
  – Tucson, AZ – Mar 21-24
  – What is being voted on for IECC 2018

• Online Voter enrollment
  – ICC Membership
  – Staff enrollment deadline

• NASEO technical assistance
  – To assist in the process
  – To help explain the proposals
### Questions?

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