NEEP’s Code Adoption Toolkit is a collection of state, regional, and national resources developed to aid development and adoption of more efficient energy codes. This document includes links to materials such as: code analyses and comparisons; state amendments and model language; and code case studies and talking points for topics such as stretch codes and the non-energy benefits of codes.

This toolkit is updated regularly. Be sure to visit NEEP’s Building Energy Codes page for the latest version, and contact Darren Port or Moses Riley with any inquiries.

See also NEEP’s Code Compliance Toolkit.

Guidebook Revision Information:

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Amendment</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>11/18/19</td>
<td>Updates</td>
<td>Bryan Evans</td>
</tr>
</tbody>
</table>

I. NEEP/DOE Introductory Resources

   A. Building Energy Codes for a Carbon Constrained Era: A Toolkit of Strategies and Examples

   B. NEEP Regional Web Resources

      1. NEEP Codes Tracker
      2. NEEP Buildings Bulletin Board
      3. NEEP Buildings Blogs

   C. U.S. Department of Energy Code Adoption Toolkit

      1. Adoption Toolkit PDF
      2. Online module

II. Determinations / Analyses

   A. Federal Model Code Determinations

      1. Residential - IECC

         a) 2018 IECC

            (1) Notice of Preliminary Determination

            (a) Preliminary Energy Savings Analysis
2. Commercial – IECC
   a) 2018 IECC
      (1) Commercial Scope and Envelope Requirements
   b) 2015 IECC
      (1) Energy Savings and Cost Effectiveness
   c) 2012 IECC
      (1) Cost Savings

3. Commercial - ASHRAE 90.1
   a) ASHRAE 90.1-2016
      (1) Commercial Energy and Cost Analysis Methodology
      (2) Final Determination
      (3) Energy Savings Analysis
   b) ASHRAE 90.1-2013
      (1) Final Determination
         (a) Qualitative Analysis
         (b) Quantitative Analysis
   c) ASHRAE 90.1-2010
      (1) Final Determination
         (a) Qualitative Analysis
         (b) Quantitative Analysis
(2) Energy Savings
(3) Cost-Effectiveness

B. State-specific analyses
1. Residential Cost-Effectiveness
2. New York 2015 IECC Cost-Effectiveness
3. Commercial Cost-Effectiveness (CT, DE, DC, NJ, NY, RI)

III. Latest Model Code Resources
A. 2015 IECC
1. Energy Rating Index (HERS) Path
   a) DOE Resources
      (1) HERS Index Values Corresponding to Minimal Compliance with the IECC Performance Path
   b) RESNET Resources
      (1) Overview of the ERI Path in the 2015 IECC
      (2) ERI Performance Path Score Alternatives
      (3) HERS Index and Energy Codes
B. IgCC
1. 2015 International Green Construction Code
2. 2018 International Green Construction Code

IV. Inter-code Comparisons
A. 2018 IECC Summary of Changes
   1. Key Changes in the 2018 IECC
B. 2015 IECC vs. 2012/2009 IECC
   1. 2015 IECC - Summary of Major Proposals
   2. 2015 vs. 2012 vs 2009 article – Green Builder Coalition
C. ASHRAE 90.1-2013 vs 90.1-2010
   1. NEEP 2015 IECC / ASHRAE 90.1-2013 summary of major changes presentation [please contact NEEP for this resource]

V. State Amendments
2. Delaware
   a) 2012 IECC (all residential)
3. District of Columbia
   a) 2012 IECC
6. Massachusetts
   a) 2015 IECC - Residential
   b) 2015 IECC - Commercial
8. New Jersey
   a) 2018 IECC / ASHRAE 90.1-2016
9. New York
   a) 2015 IECC / ASHRAE 90.1-2013
11. Rhode Island
   a) 2015 IECC

VI. Stretch Code- Case Studies
1. District of Columbia
   a) USGBC: DC Green Code Case Study
2. Massachusetts
   a) Stretch Code case study
   b) MA Electric and Gas Program Administrators: Stretch Code Market Effects Study
3. Rhode Island
   a) RI IgCC vs. LEED v4 Comparison Checklist
4. Vermont
   a) Blog: Vermont Stretches for Energy Efficiency

VII. Socioeconomic Benefits of Energy Codes
A. IMT: Non-Energy Benefits of Energy Codes

VIII. Misc. / Code Language
A. Renewable Energy

IX. Energy and Carbon Data
A. Construction Codes in the Northeast: Myths and Realities of Energy Code Adoption and the Economic Effects – 2018 UPDATE
X. Talking Points