

Advanced Building Energy Efficiency Policy Task Force (ABEEP) meeting

Building Energy Policies and Municipal
Opportunities in Illinois

September 21, 2023



Agenda

- Quick introductions (5 minutes)
- Survey results (10 minutes)
- Updates on 1-on-1 municipalities (15 minutes)
- Guest speaker: Ian Finlayson (50 minutes)
- Next Steps (10 minutes)





Introductions

Project Background

Project goal

- Engage with municipalities to adopt and implement advanced building policies
- Develop support programs to help implementation
- Develop savings and attribution methodologies that follow market transformation protocols

Utility funders

- ComEd, Nicor Gas, Peoples Gas and North Shore Gas



Advanced Building Policies Overview

Stretch codes

Target: New Buildings

Alternative compliance path that defines a higher level of energy efficiency

Building Performance Standard (BPS)

Target: Existing buildings

Focus on improving existing building stock through setting targets for efficiency upgrades

2023 Overall Project Relevant Scope Items

ABEEP

- 1-on-1 technical assistance with municipalities
- Quarterly meetings with large group
- Development of additional fact sheets and resources

Support Strategy Development

- Slipstream and MEEA working on developing programs and support strategies

1-on-1 Assistance

Goals

- Provide technical assistance directed at each city's circumstances
- Help drive forward adoption of stretch code and BPS

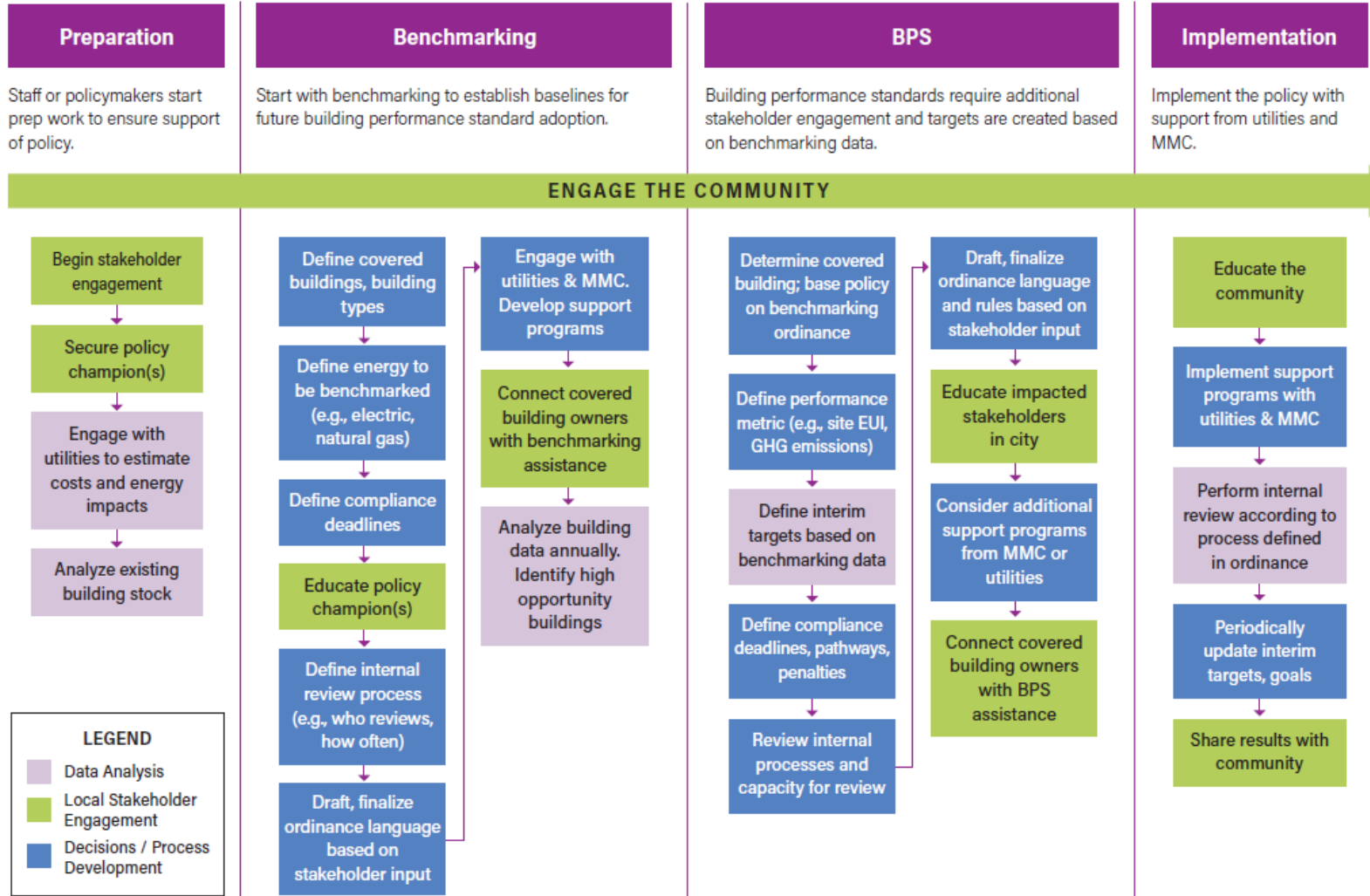
Requirements

- Recurring meetings at cadence that works for each city
- Consider the policies in earnest with no need to commit

Benchmarking and Building Performance Policy Setting Flow Chart

Benchmarking: Building Energy Benchmarking (Benchmarking) is a policy that requires building energy use to be measured and compared to itself over time, the energy use of similar buildings, or an energy standard.

Building Performance Standard (BPS): Requirement that focuses on improving the existing building stock through setting minimum targets for efficiency upgrades.



Updated BPS Roadmap

Upcoming Fact Sheets

In Development

- FAQ for stretch codes
- Policymaker engagement
- Benchmarking 101 for cities
- Benchmarking 101 for facility owners

What would you like us to share in future ABEEP meetings?
What documents or resources do you need created or shared?
How can we serve as an ongoing source of information?



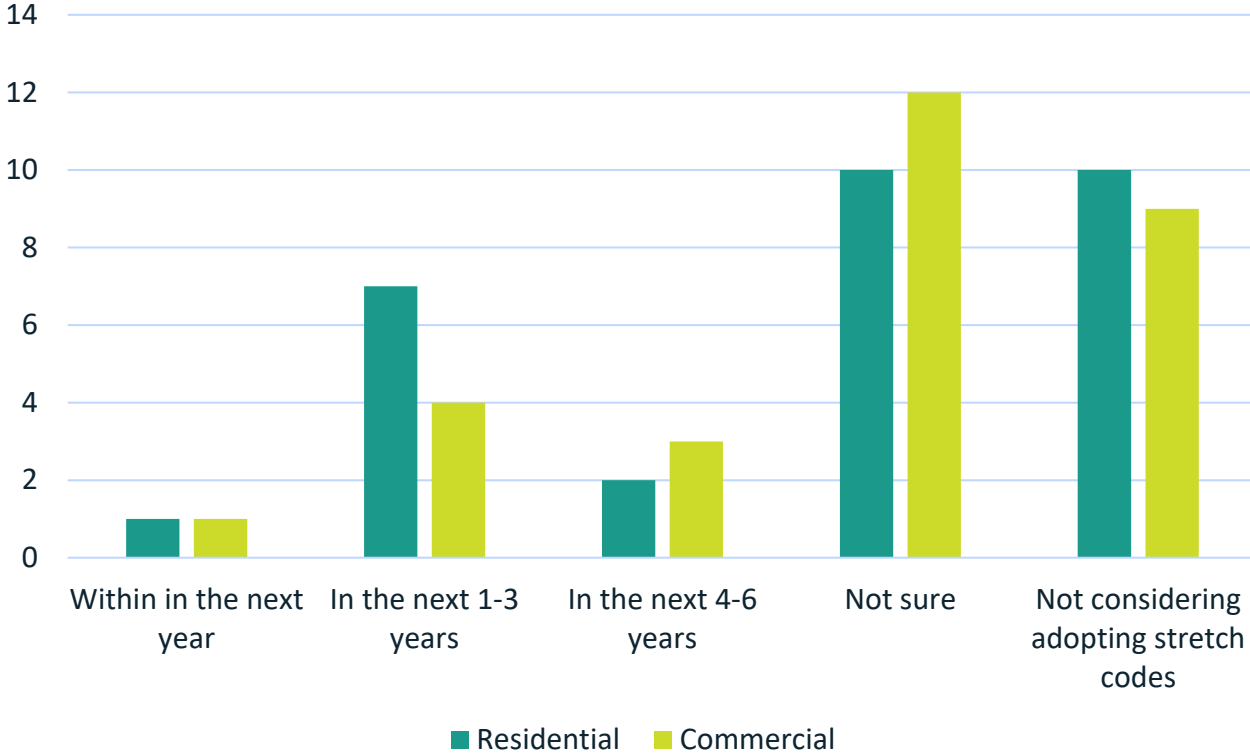
Survey results

Survey

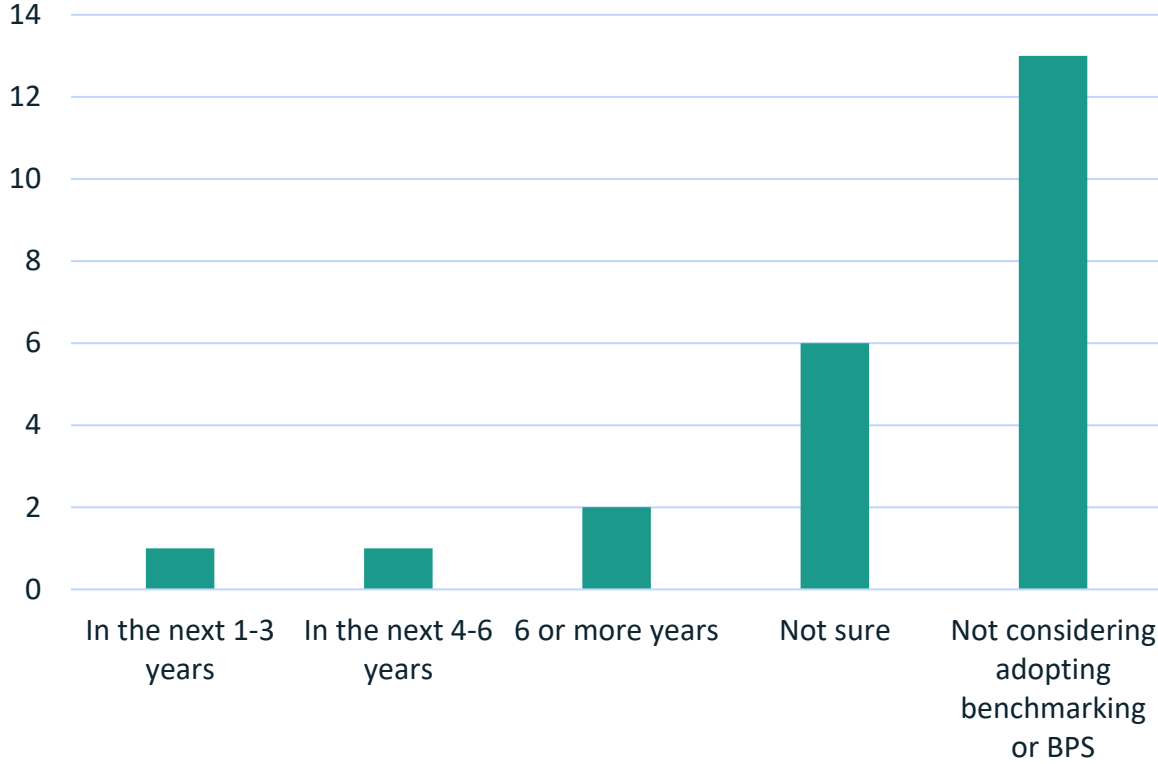
- Thanks to all that took the survey
 - Ended up with almost 30 responses
- Goals of the survey were to:
 - Help understand current barriers to inform utility support programs
 - Understand current adoption thoughts on both policies
 - Help determine potential utility savings from support programs

Likelihood of Adoption

Residential or Commercial Stretch Code



BPS or Benchmarking Adoption



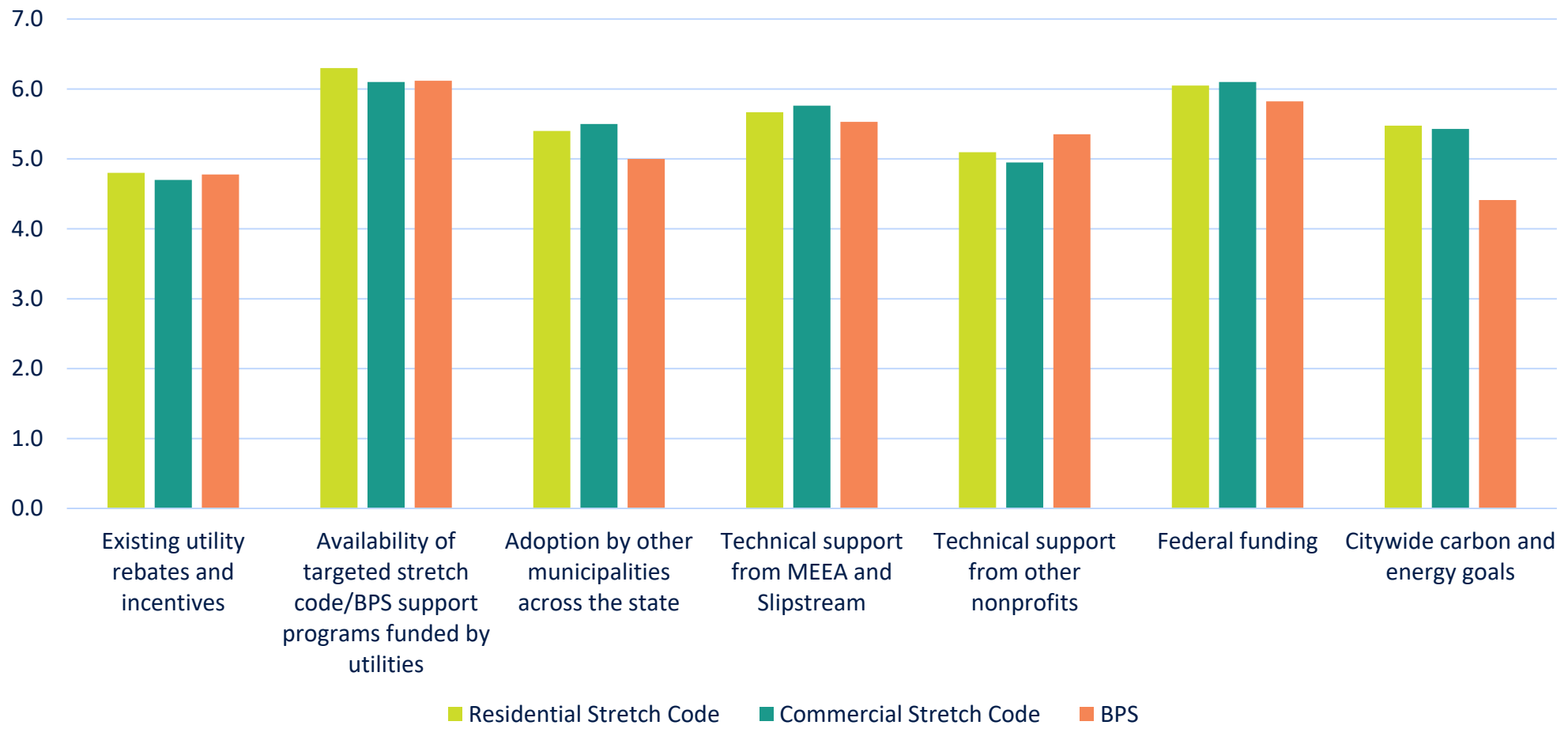
Barriers to Adoption

What are the perceived barriers affecting the adoption or consideration of stretch codes?



Influences

Rate the influence of the following on your municipality's decision to adopt an advanced building policy





Updates from peer cities

1-on-1 Assistance

Involved Municipalities

- Oak Park
- Northbrook
- Elgin
- Broadview
- Naperville
- Evanston

Technical Assistance

- In-depth overview of stretch code language
- Internal stakeholder education (other staff)
- Policy adoption support
- Assistance with community events
- Research on specific questions – costs, development, etc.
- Municipality specific data analysis on impacted buildings, potential savings

1-on-1 Assistance – Oak Park Benchmarking

Benchmarking Background

- Passed in February 2023
- Requires any building 10,000 square feet or larger to submit energy use data
- First round of reporting must be complete by end of 2023

Building Owner Support

- Held free data jam sessions to answer questions and help building owners upload data
 - Started with online data jam prep sessions
 - Two in-person data jam workshops
 - One online for anyone who couldn't make it in-person





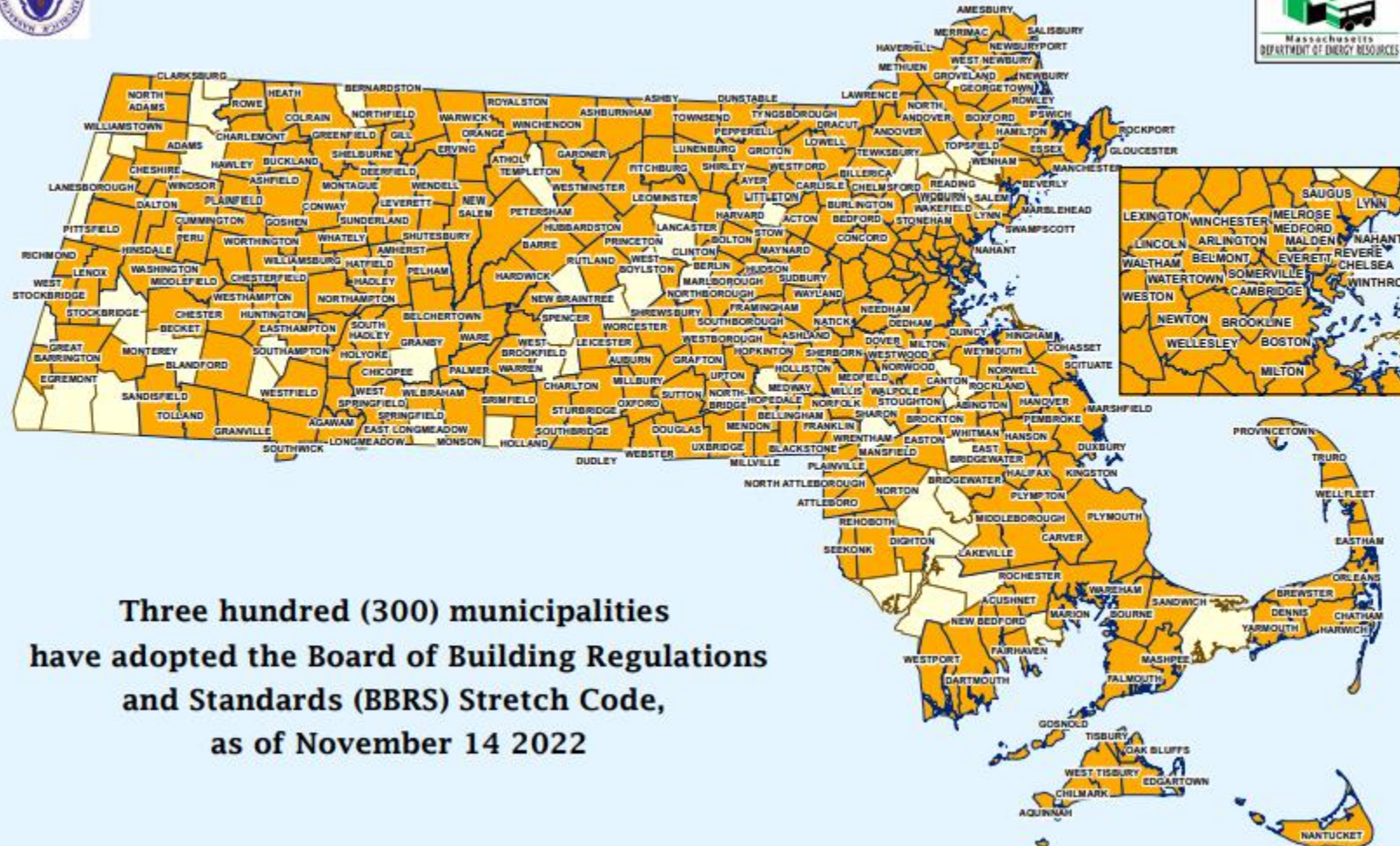
**Guest Speaker: Ian
Finlayson**

Massachusetts Background

- In 2009, Massachusetts adopted an above-code appendix to base code, or a stretch code
- Stretch code emphasizes energy performance to result in cost-effective construction that is more energy efficient
- Stretch code is updated every few years
- Requires municipalities to opt in to stretch code

Massachusetts Stretch Code Adoption

Stretch Code Adoption, by Community



Next Steps

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Next Steps

Next Steps

Upcoming Resources

- Fact sheets will be ready to share in October and November

Next ABEEP meeting

- Planning for early-mid December
- Updates on stretch codes, utility support
- If there are topics you want covered, let us know

Slipstream and MEEA contacts



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