

Advanced Building Energy Efficiency Policy Task Force (ABEEP) meeting

Building Energy Policies and Municipal Opportunities in Illinois







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.

Preparation

Staff or policymakers start prep work to ensure support of policy.

Benchmarking

Start with benchmarking to establish baselines for future building performance standard adoption.

BPS

Building performance standards require additional stakeholder engagement and targets are created based on benchmarking data.

Implementation

Implement the policy with support from utilities and MMC.

ENGAGE THE COMMUNITY

Begin stakeholder engagement Secure policy champion(s) Engage with utilities to estimate costs and energy impacts Analyze existing building stock LEGEND Data Analysis Local Stakeholder Engagement

Decisions / Process

Development

Engage with Define covered utilities & MMC. buildings, building Develop support types programs Define energy to be benchmarked Connect covered (e.g., electric, building owners natural gas) with benchmarking assistance Define compliance deadlines Analyze building data annually. Identify high Educate policy opportunity champion(s) buildings Define internal review process (e.g., who reviews, how often) Draft, finalize ordinance language based on stakeholder input

Draft, finalize Determine covered ordinance language building; base policy and rules based on on benchmarking stakeholder input ordinance Educate impacted Define performance stakeholders metric (e.a., site EUI, in city **GHG emissions)** Consider additional Define interim support programs targets based on from MMC or benchmarking data utilities Define compliance Connect covered deadlines, pathways building owners penalties with BPS assistance Review internal processes and capacity for review

Educate the community Implement support programs with utilities & MMC Perform internal review according to process defined in ordinance Periodically update interim targets, goals Share results with community

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

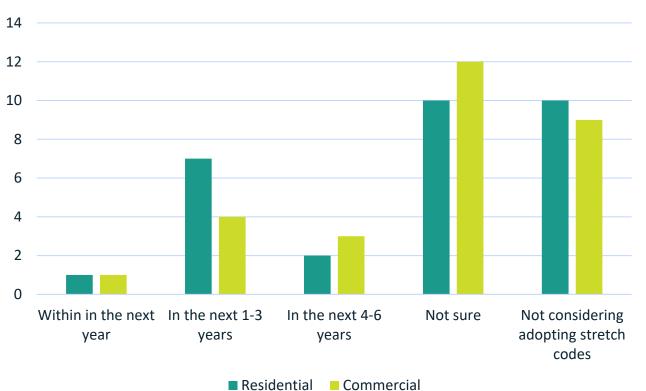
• Thanks to all that took the survey Ended up with almost 30 responses

Goals of the survey were to:

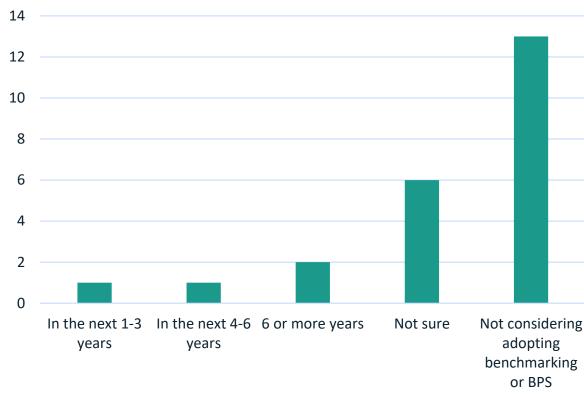
Help understand current barriers to inform utility support programs
Understand current adoption thoughts on both policies
Help determine potential utility savings from support programs

Likelihood of Adoption

Residential or Commercial Stretch Code

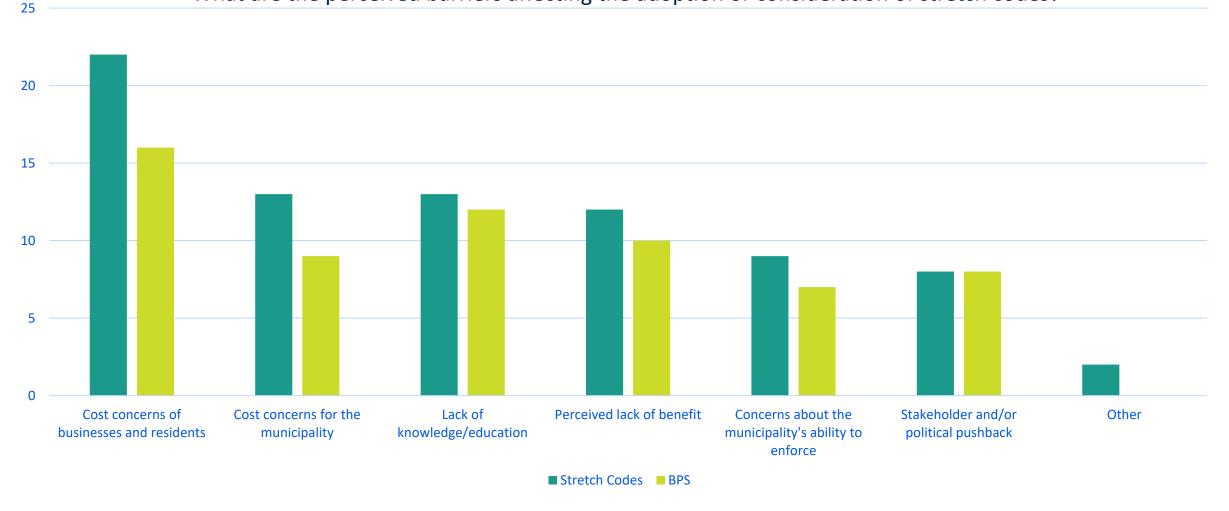


BPS or Benchmarking Adoption



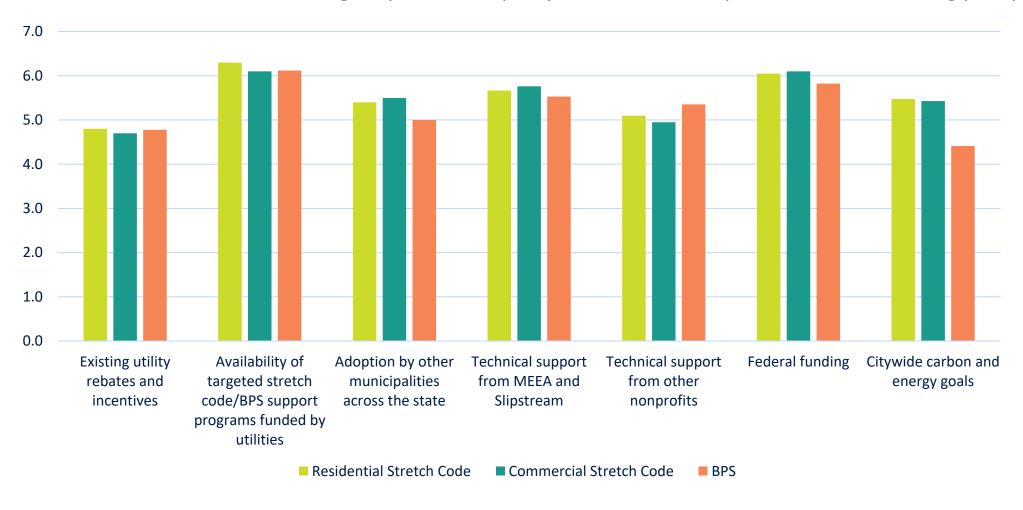
Barriers to Adoption

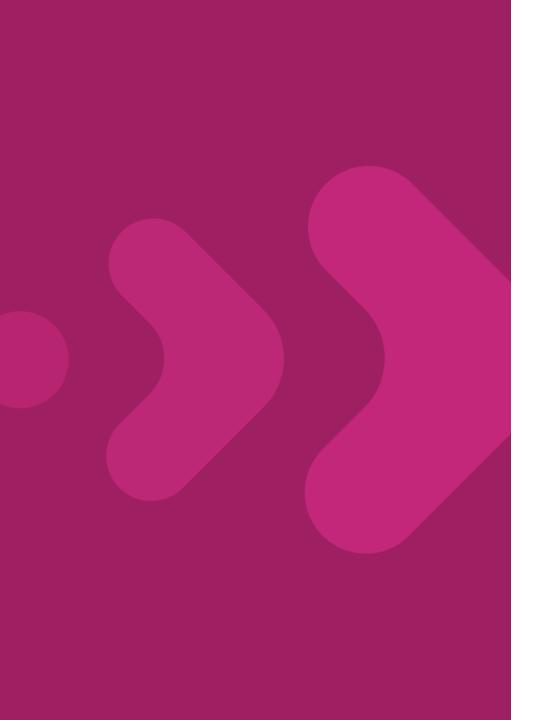
What are the perceived barriers affecting the adoption or consideration of stretch codes?



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



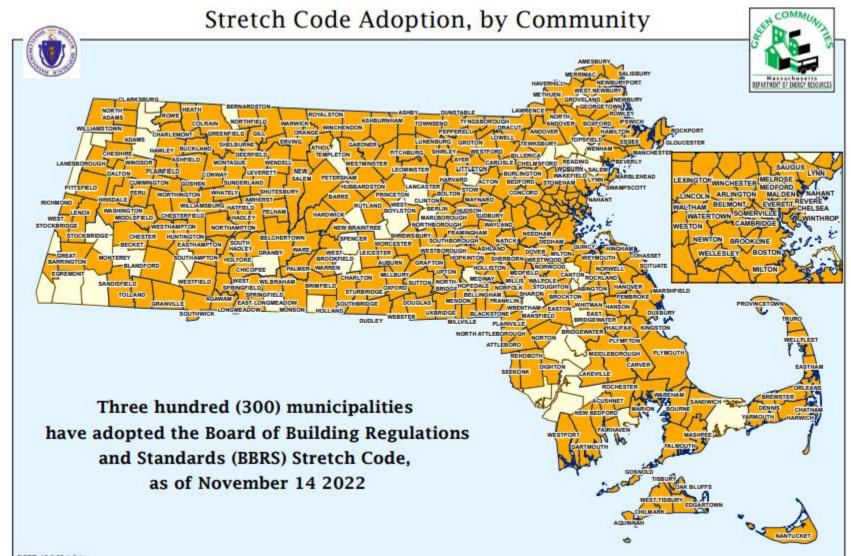


Guest Speaker: Ian Finlayson

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 costeffective 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



Next Steps

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How can we serve as an ongoing source of information?



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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