

Shaping the Future of California's Building Performance Standards - Local Government Processes and Grid Implications

Tuesday, March 22, 2022 | 9 - 11 AM PT



LOCAL GOVERNMENT
SUSTAINABLE
ENERGY COALITION



Zoom Features

Microphone

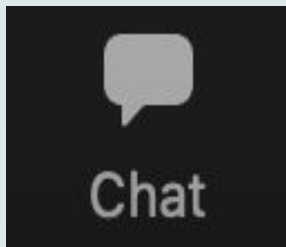
Keep yourself **muted** so that we can hear our speakers clearly.



Chat

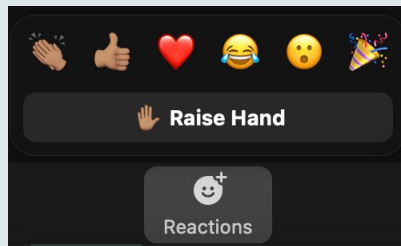
Communicate with other participants or reach out to LGSEC and CCEC staff if you encounter technical issues.

Use the chat feature to submit your questions!



Reactions

Click the icon to **raise your hand** to ask to speak verbally during the Feedback Session. We encourage the use of emojis!



Moderators



Marc Costa
LGSEC Board Chair



Angie Hacker
CCEC Best Practices Coordinator

Agenda

9:00 - 9:05

Welcome

9:05 - 9:35

Panel Introductions

9:35 - 9:55

Panel Discussion: Moderated Q&A

9:55 - 10:00

REST BREAK

10:00 - 10:20

Audience Q&A

10:20 - 10:40

BPS Feedback Session

10:40 - 11:00

Closing & Optional Networking

Building Performance Standards: A Cornerstone to Climate Policy



About The Institute for Market Transformation (IMT)



- **Mission**
- Catalyze widespread and sustained demand for high-performing buildings



- **How we work**
- Advancing policies and business practices that enable people to build and operate healthy, high-performing buildings



Agenda

- Why Building Performance?
- Introduction to Building Performance Standards
- BPS Around the US

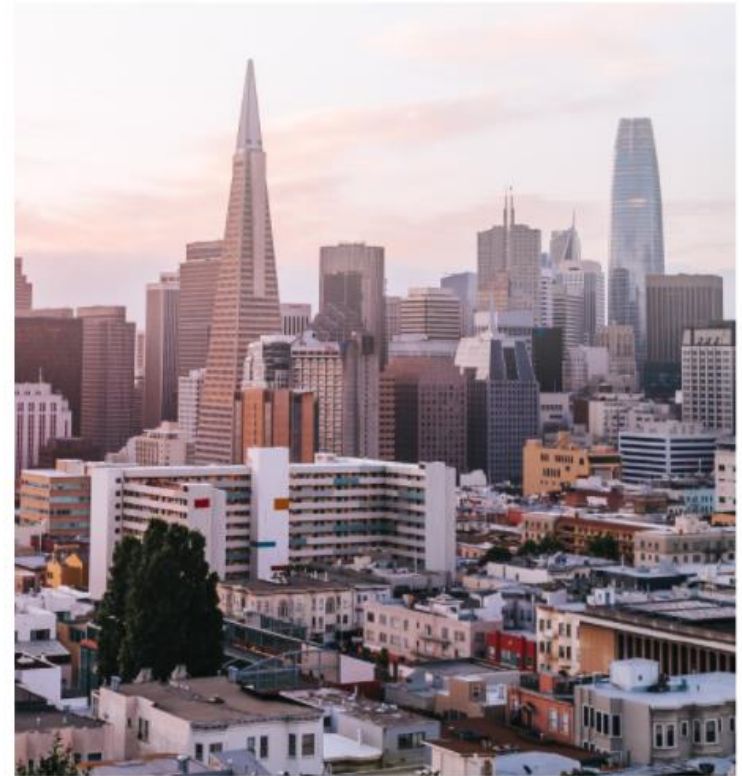
Why look at building performance?

Buildings disproportionately:

- expose people to health risks
- are sources of GHG emissions
- waste energy

A BPS can help meet priorities such as:

- decarbonization
- resilience
- affordability
- public health



Why regulate existing buildings?

In 2040:

- 2/3 of the buildings that exist today still exist
- Global building floor area will double

Current pace of major improvements annually is:

- 2% commercial buildings
- 0.5% residential buildings



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Data Source: IEA Energy Technology Perspectives 2020, February 2021 Revised Edition



What is a Building Performance Standard?

Building Performance Policy Landscape

Types of Building Performance Policy

Type	Description
Building Codes	<ul style="list-style-type: none">• Sets standards for building design and construction for primarily new buildings and major renovations
Benchmarking and Transparency	<ul style="list-style-type: none">• Requires owners to report their annual energy performance to the government which publishes a subset of that info for the public
Audit Requirement	<ul style="list-style-type: none">• Requires owners to conduct an energy audit identifying opportunities to improve building performance
Tune-up Requirement	<ul style="list-style-type: none">• Requires owners to identify and correct operational inefficiencies through low- and no-cost repairs and adjustments
Building Performance Standard	<ul style="list-style-type: none">• Requires buildings to meet a minimum threshold of performance



What is a Building Performance Standard?

- The most powerful tool to improve the performance of existing buildings
- Minimum performance requirements for buildings expressed in objective numeric metrics (e.g. x kBTU/year/sq. ft.)
- Applies to buildings over a certain size
- Date certain performance deadlines
- Different from and a complement to building codes

What makes BPS Different?

Requires
Improvement
Across a Wide
Range of
Buildings

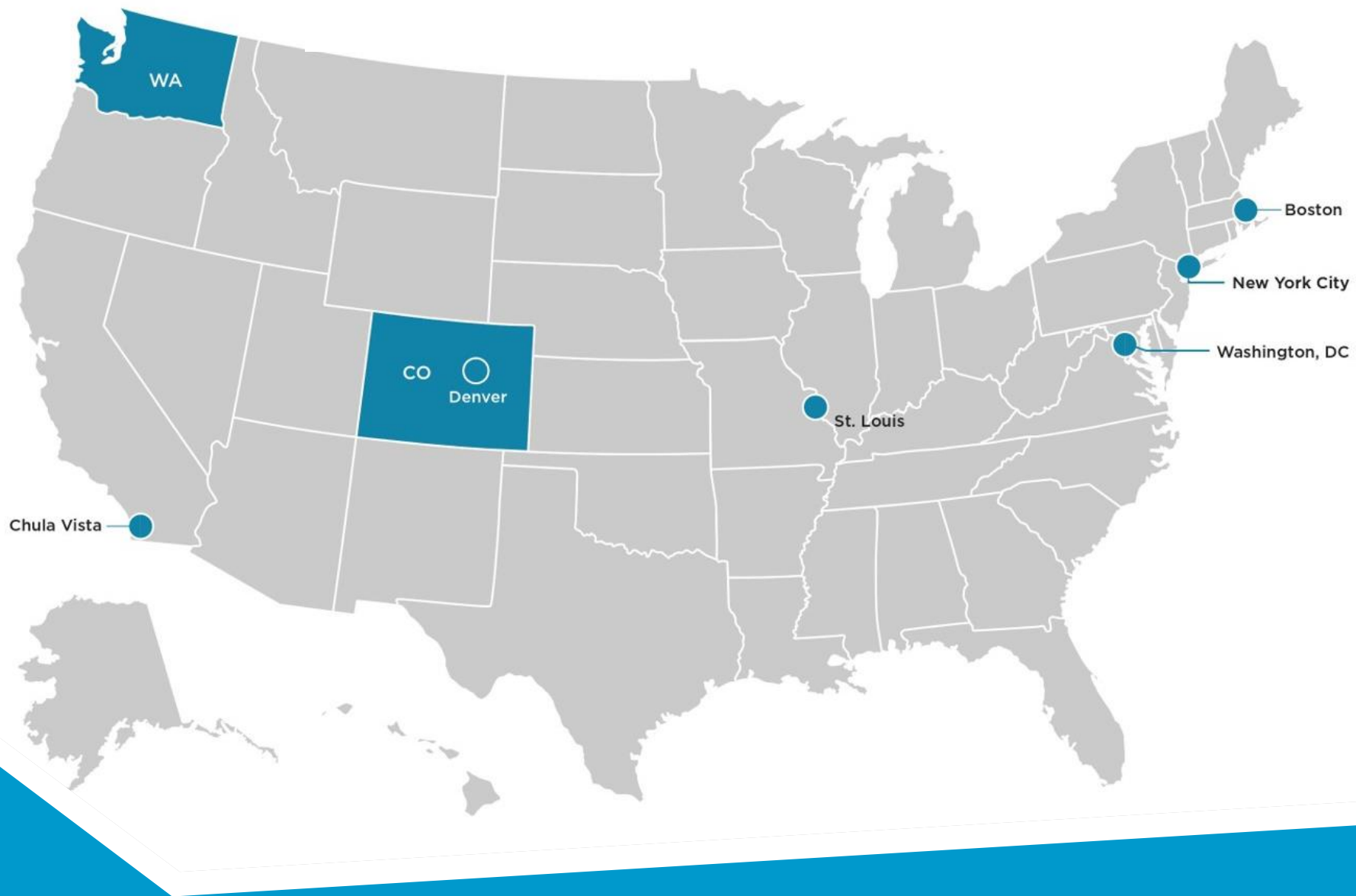
Yields Deep
Retrofits at
Scale

Drives Private
Value, Creating
Investment in
Private
Buildings

Provides
Comprehensive
Approach to
Performance

Balances
Flexibility and
Immediate
Action

Sends Long-
Term Signal



BPS Around the United States

National Building Performance Standards Coalition

March 7, 2022



Newest BPS Type: Trajectory Approach



IMT Model Ordinance

- Compatible with any metric except ENERGY STAR Score
- Sets final, long-term standards for each bldg type
- Bldgs have individual trajectory with interim standards
- Custom compliance path



Denver BPS

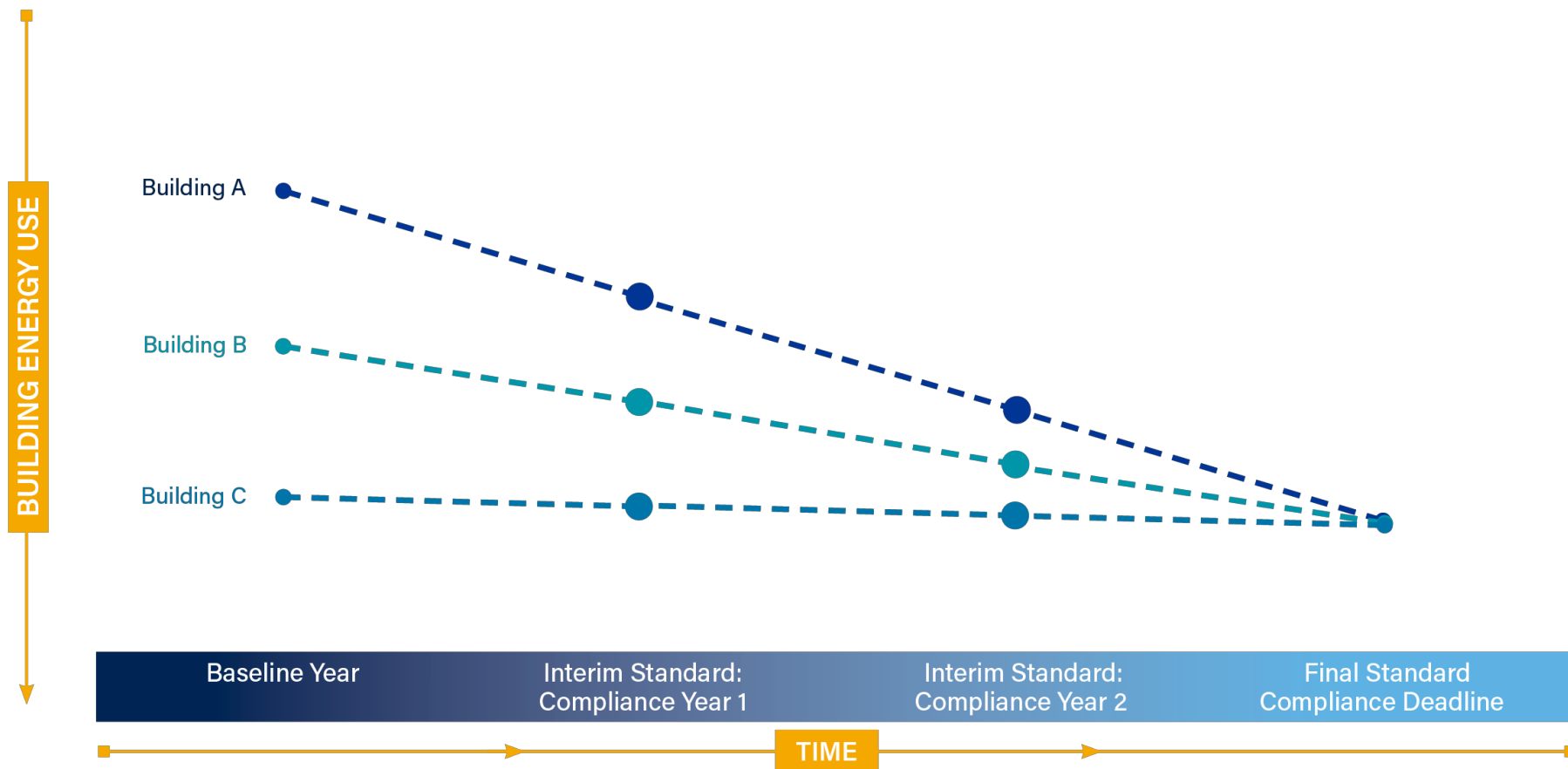
- Comm, MF $\geq 25,000$ sf
- Metric: Site EUI
- Performance, prescriptive, and custom compliance paths



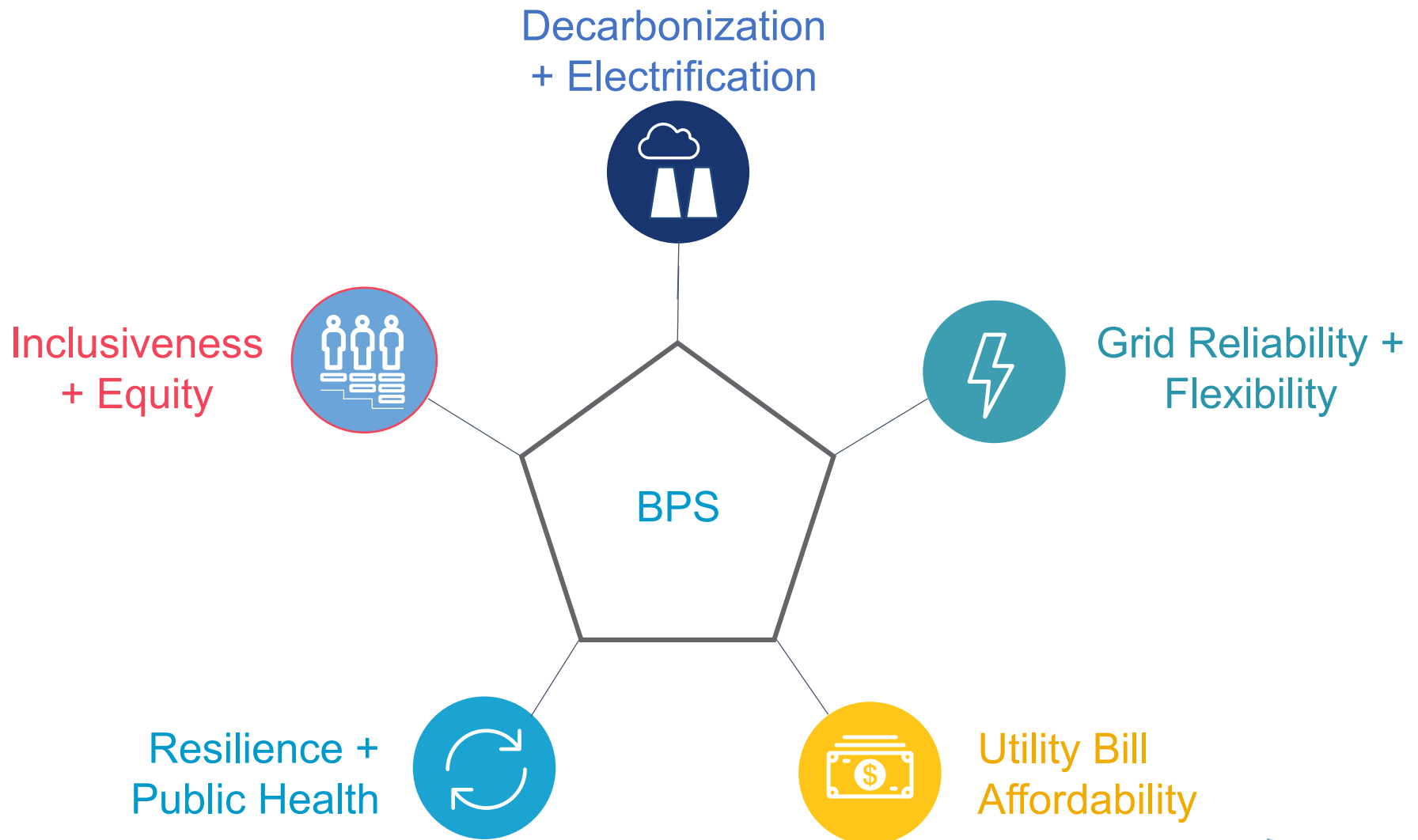
Montgomery County, MD (pending)


- Comm, MF $\geq 25,000$ sf
- Metric: Site EUI
- Performance and custom compliance paths

BPS Trajectory Approach Example: Final and Interim Standards



BPS: A Platform for Building Regulation



A photograph of a wooden surface with a white card and a black marker. The card has the word "thanks!" written in black cursive. The marker is black and has "Acid Free" written on it.

thanks!

Cliff Majersik
Senior Advisor
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Twitter: @IMTCliff

For more info: www.imt.org/bps

Panel Introductions



Senator Josh Becker

California State Senator, 13th
District



Cliff Majersik

Senior Advisor, Policy and
Programs, Institute for Market
Transformation (IMT)



Barbara Locci

Conservation Specialist, City of
Chula Vista



Lynne Kiesling

Research Professor &
Co-Director, Regulatory Law &
Economics, University of
Colorado

Panel Discussion: Moderated Q&A



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5 minute Rest Break!

- Stretch
- Restroom
- Coffee/Tea
- Breathe
- Meditate



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Audience Q&A

*Send your questions in the
chat box!*

BPS Feedback Session

Questions for the audience:

- Would BPS help you achieve your CAP? How?
- In the model scenario, what support can the State provide to local governments to adopt and implement BPS?
- How would you recommend that the state and localities work together to support owners of buildings serving disadvantaged communities to improve building performance and comply with BPS?



Cliff Majersik

Senior Advisor, Policy and Programs,
Institute for Market Transformation
(IMT)

How to participate:

- **Raise your hand** A dark grey rectangular button with a white hand icon on the left and the text "Raise Hand" in white on the right.
- **Join us on Jamboard!**
 - bit.ly/BPSjamboard

Stay Connected with LGSEC and CCEC!



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- Become an LGSEC Member
- Become an Industry Partner
- Sign up for updates
- View LGSEC's Regulatory Tracker
- Follow on LinkedIn
- Questions? contact@lgsec.org



- Get involved in the Annual CCEC Forum
 - September 21-22 in San Diego!
 - Submit a Proposal by May 4
 - Sponsor/Promotional Partner
- Sign up for LERN Calls
- Sign up for wEEKly update
- Join LinkedIn Peer-to-Peer Network Group
- Questions? eeccordinator@civicwell.org

Closing Remarks

Thank you for joining!

- Follow up email with slides, recording, other resources will be sent within a week
- Please complete the [Post-Event Survey](#)

Coming up....quick networking session!

Networking

10-minute breakout rooms with groups of 3

Icebreaker Prompts:

- Introduce yourself - Name, pronouns, organization, job title, location
- Reflections on the event - What did you learn?
- What opportunities/challenges do you foresee for BPS this year?
- What goals do you have for BPS within your agency and what additional resources, materials, and/or case studies would you need to achieve them?
- Work together to fill out the [Jamboard](#) and/or [Post-Event Survey](#)
- Stay in touch and connect on LinkedIn!

THANK YOU!



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