

Building Performance Standards



What is a Building Performance Standard? (BPS)

A policy that establishes standards for buildings to improve performance including reducing energy use or GHG emissions

Compliance takes place over a long timeframe, with intermediate reporting and compliance periods

The policy becomes more stringent over time

Requires impactful changes to buildings while offering flexibility in how and when building owners make those changes



Fundamental change to how we approach buildings



Building Performance Standards are the most powerful policy tool available to drive improved building performance



BPS Impact

Washington, DC estimates that its BPS will reduce energy use in buildings by 20%, over 1M tons of CO2 annually

Washington State projects its BPS will reduce annual CO2 emissions by 14M tons by 2035

New York City projects a reduction of 6M tons of CO2 annually by 2030 and the creation of ~126,000 green jobs*

Urban Green-led expert panel predicts the NYC energy retrofit market represents a mid range market opportunity of \$20B



BPS Compared to Other Policies

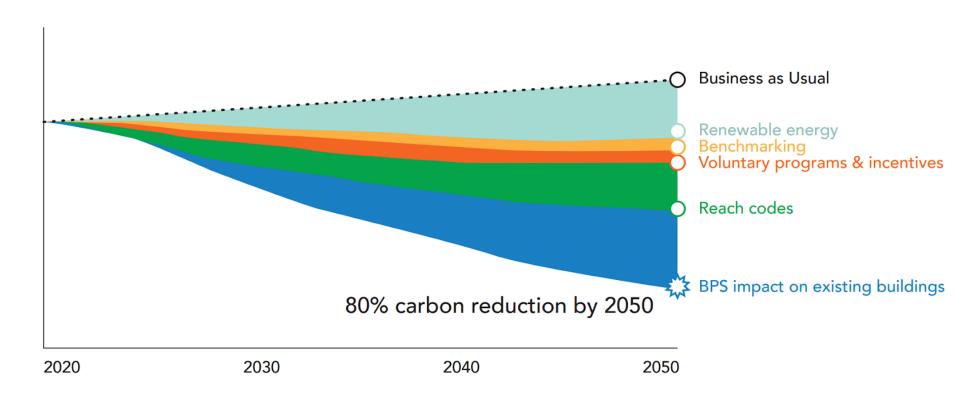


Image from IMT/USDN webinar on impact of BPS



BPS is not Benchmarking

Benchmarking is energy management.

BPS is energy improvement

BPS focuses on:

- Meeting performance targets by deadlines
- Using benchmarking data as baseline for reporting
- Driving continuous, market wide energy reduction through entire building stock





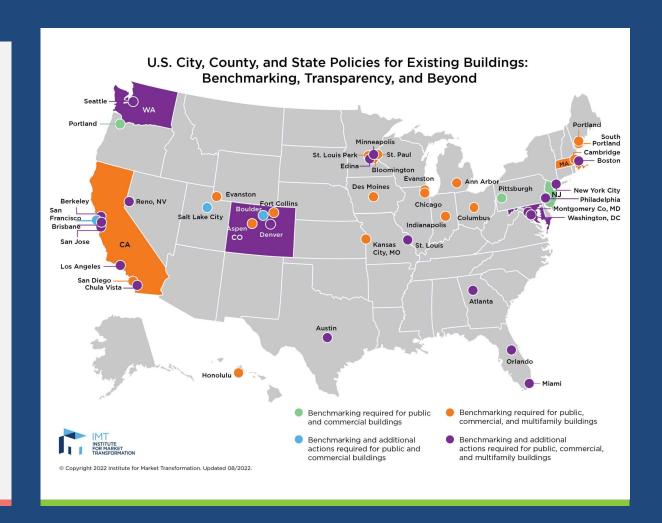
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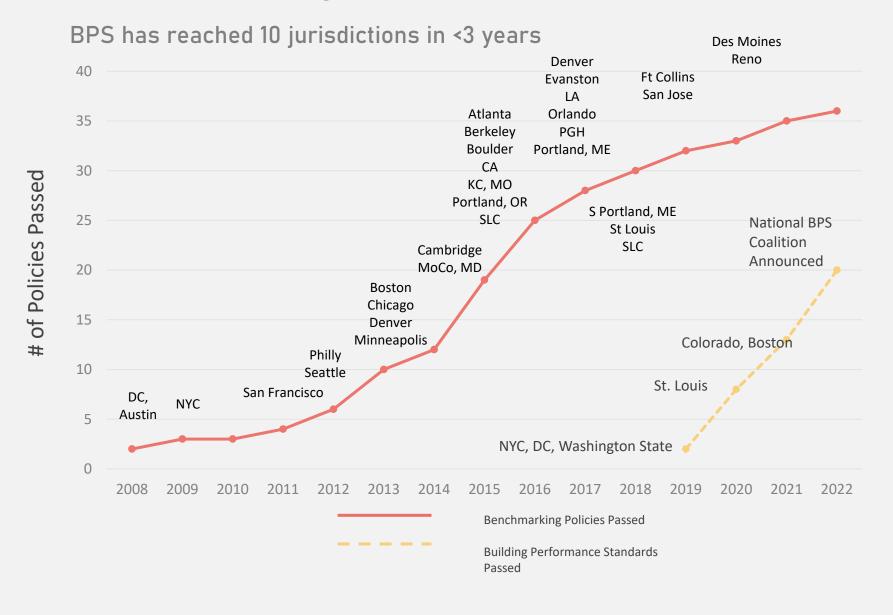
Benchmarking focuses on:

- Using consumption data to inform building operation
- Improving building energy usage by making it visible





Trends in Building Policies





Example BPS Laws



Washington, DC

Size: 10-50k sq ft

Measuring: Energy

Metric: ENERGY STAR 1-100 score

Building Types: Commercial and multifamily

Standard is recalculated each compliance cycle



New York, NY

Size: 25k sq ft

Measuring: Carbon

Metric: kgCO2e/sf

Building Types: Commercial and multifamily

Standard increases in stringency on path preset in law



St. Louis, MO

Size: 50k sq ft

Measuring: Energy

Metric: Site EUI

Building Types: Commercial and multifamily

Standard is recalculated each compliance cycle



IMT's BPS Model Law

- IMT published the first model law for building performance standards in January 2021
- Incorporates lessons learned from adopted BPS
- Reviewed by expert stakeholders in real estate, social equity, building science, building performance policy
- www.imt.org/bps
 - IMT Model BPS law
 - Summary of law
 - Summary presentation

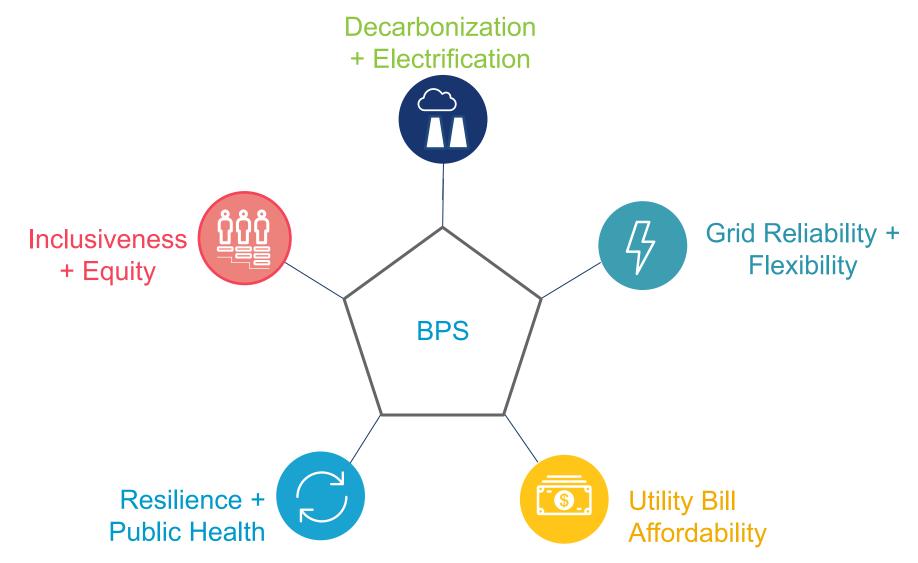




Principles

- 1. Align with goals/commitments
- 2. Social and racial equity
- 3. Regulatory fairness
- 4. Jobs and economic growth
- 5. Maximize certainty
- 6. Transparency
- 7. Drive early action
- 8. Accommodate building life cycle events
- 9. Simplicity
- 10. Ease of compliance/ implementation

BPS: A Platform for Building Regulation





How IMT's BPS Strategy Addresses Building Performance



Performance Metrics

- Site Energy Use Intensity
- Onsite and District Thermal GHGs
- Water Use Intensity
- Coincident Peak Demand
- Ventilation/Indoor Air Quality

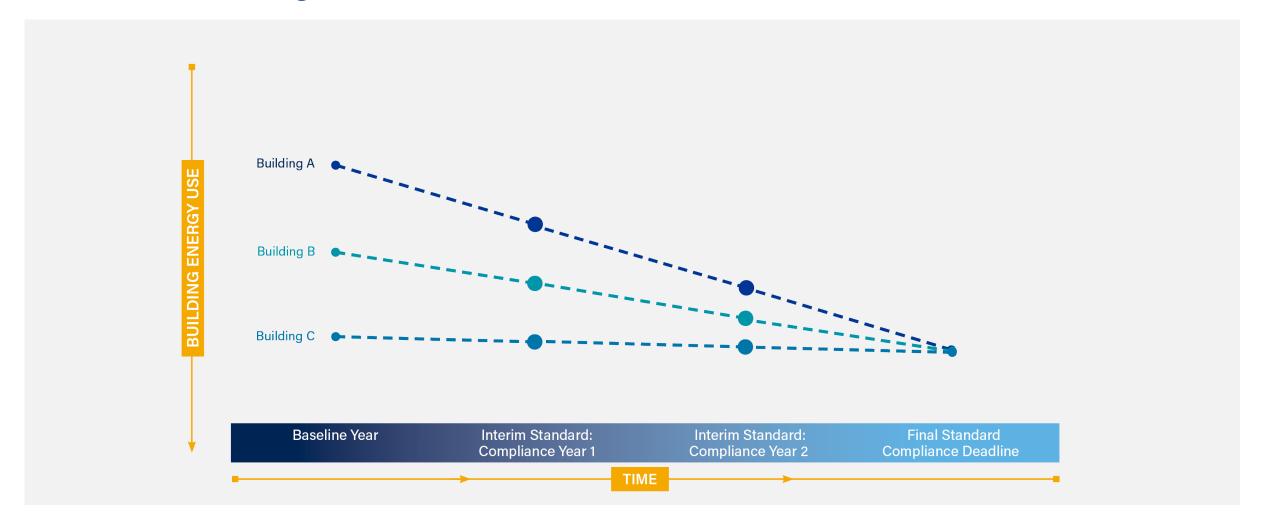


Actions to Advance Social Priorities

- Anti-displacement, affordable housing protections packaged with BPS
- Owners seeking additional flexibility required to advance other community priorities

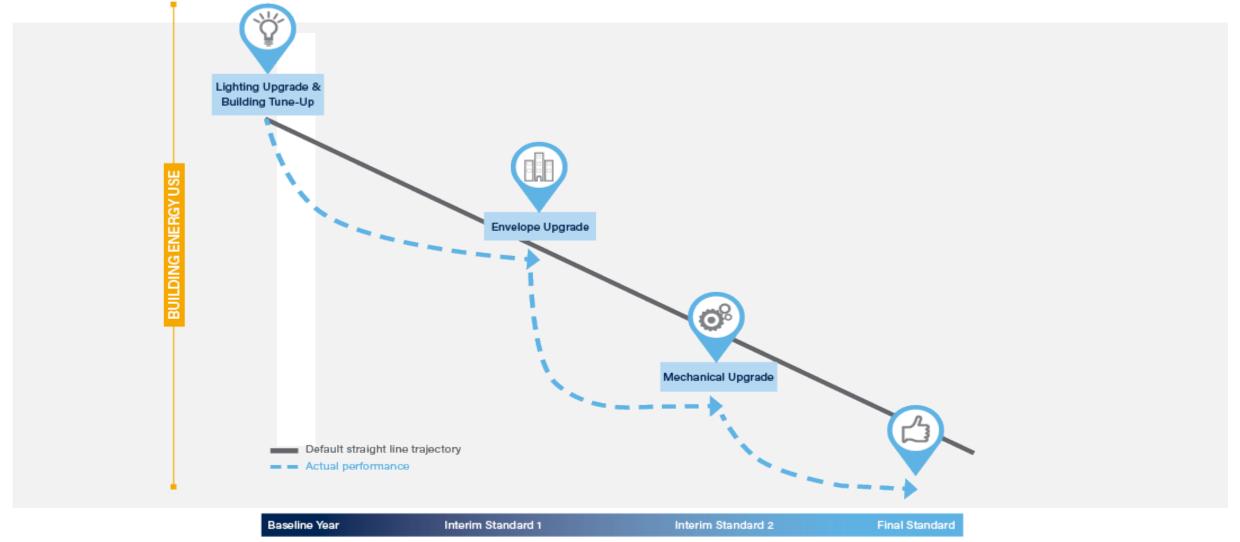


Example: Final and Interim Standards for 3 Office Buildings





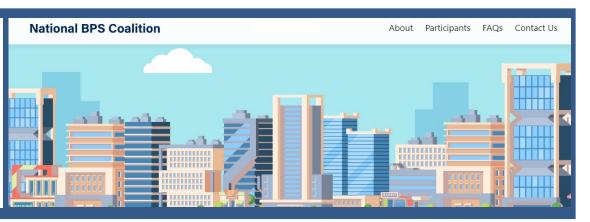
Compliance Example Owner decides when and how to improve building





National BPS Coalition

FACT SHEET: Biden-Harris
Administration Launches Coalition
of States and Local Governments to
Strengthen Building
Performance Standards



- 37 participating governments have committed to passing building retrofit policies like BPS by Earth Day 2024
- Federal agencies have committed to align federal resources with policy design and implementation
- www.nationalbpscoalition.org



President Biden's National Building Performance Standard Coalition







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