

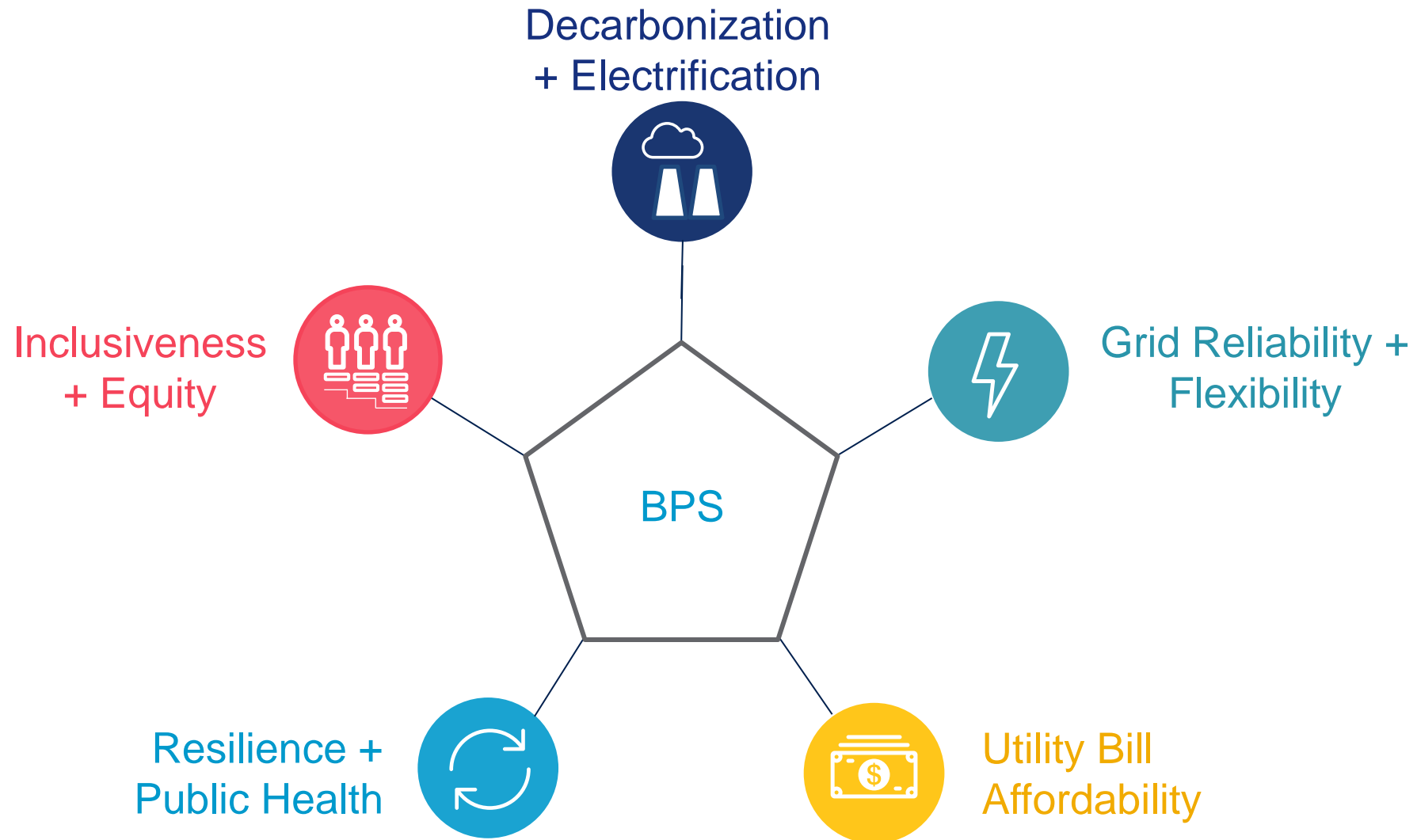
# Building Performance Standards



**Future of Codes Workshop**

**June 24, 2021**

# Building Performance Standards: A Platform for Building Regulation



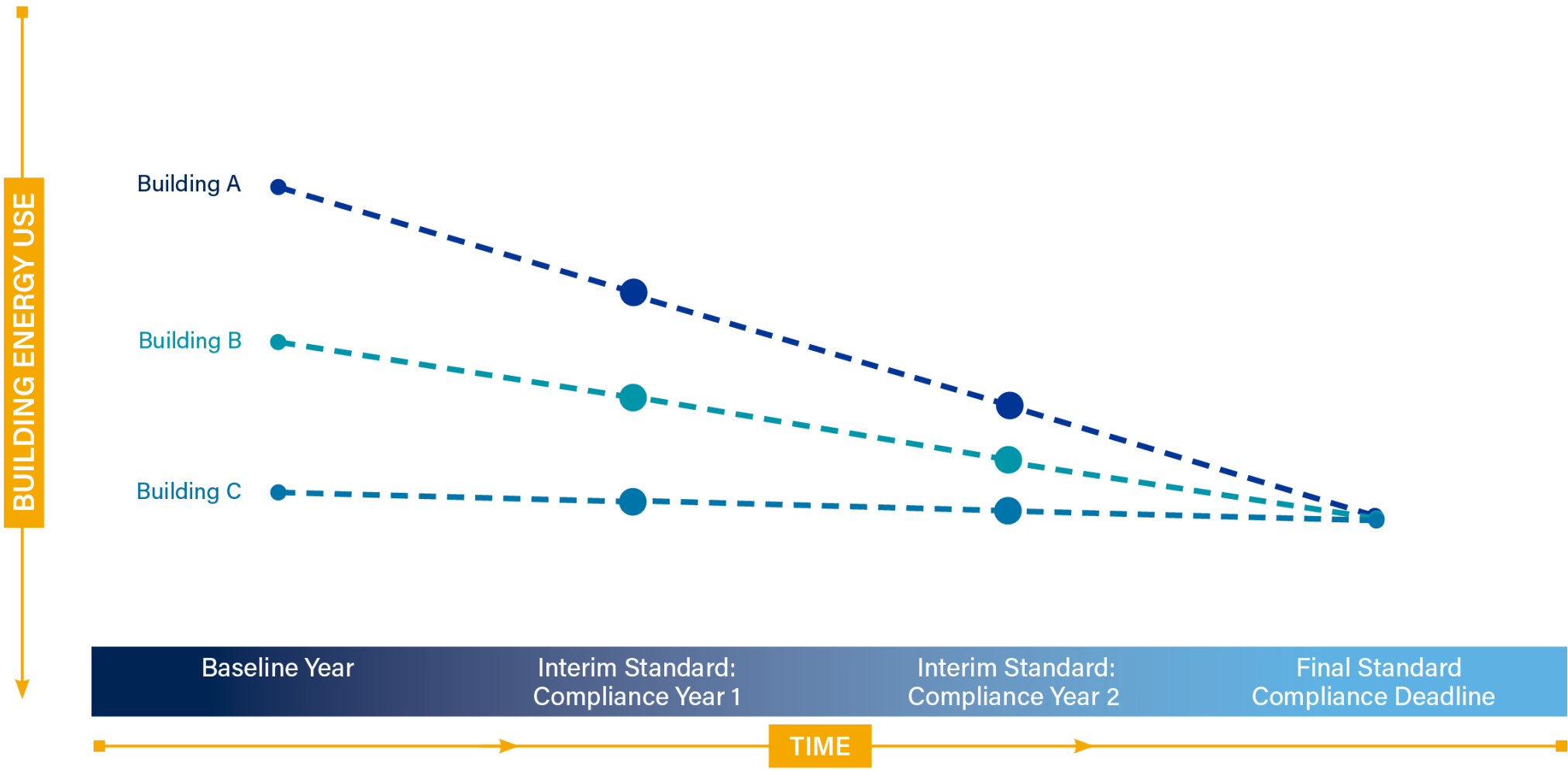
# BPS Around the United States

	Washington, DC	New York City	WA State	St. Louis, MO	Montgomery County
Year Adopted	2019	2019	2019	2020	Pending
First Compliance Deadline	2026	2024	2026	2025	~2026
Minimum Threshold Performance	Standards set no lower than median <b>ENERGY STAR score</b>	<b>CO<sub>2</sub>e</b> emissions limits on a sq. ft. basis	<b>Site EUI</b> targets are 15% less than 2009-2018 averages	Standards set no higher than 35 <sup>th</sup> percentile <b>site EUI</b>	In development to be set in regulation, based on <b>site EUI</b>
Covered Buildings	Commercial and multifamily > 10K sf	Commercial and multifamily > 25K sf	Commercial > 50K sf	Commercial and multifamily > 50K sf	Commercial and multifamily > 25K sf
Compliance Cycle	5 years	Buildings must comply annually; limits get stricter every ~5 years	5 years	4 years (6 years for affordable housing and houses of worship)	Long-term target with 4 year interim check ins

# Metric Comparison

Energy and Emissions Metrics	ENERGY STAR Score	Site EUI	Source EUI	GHGI	
Compatible with Long-Term Standards?	✗	✓	✓	✓	✳️ Site-to-Source multiplier is calculated as a national average. Does not reflect local conditions
Fully Within Control of Owner and Occupants	✗	✓	✗	✗	
ESPM Normalizes for Weather	✓	✓	✓	✗	✳️ Available for ENERGY STAR 1-100 Score-eligible buildings
ESPM Normalizes for Business Characteristics (e.g. Density, Schedule)	✓ ✳️	✗	✗	✗	
Generation and Distribution Losses	✓ ✳️	✗	✓ ✳️	✓	

# Trajectory Approach: Planning Ahead



# U.S. City and State Policies for Existing Buildings: Building Performance Standards

