THURSDAY, OCT 29 | 4:15–5:15 PM | BREAKOUT 3

Strengthening the Workforce for High-Performance Buildings



MODERATOR

Kristofor Anderson

Director, Energy Resources, Georgia Environmental Finance Authority; Treasurer, NASEO Board of Directors



PRESENTER

Madeline Salzman

Associate Director of Market Solutions, Earth Advantage



PRESENTER

Elizabeth Mahony

Commissioner, Massachusetts Department of Energy Resources; Member, NASEO Board of Directors



PRESENTER

Michael Sangaline

Senior Advisor, Office of Innovation, Affordability and Consumer Choice, U.S. Department of Energy



PRESENTER

Michelle Butler

Senior Manager, Workforce Development, Colorado Energy Office



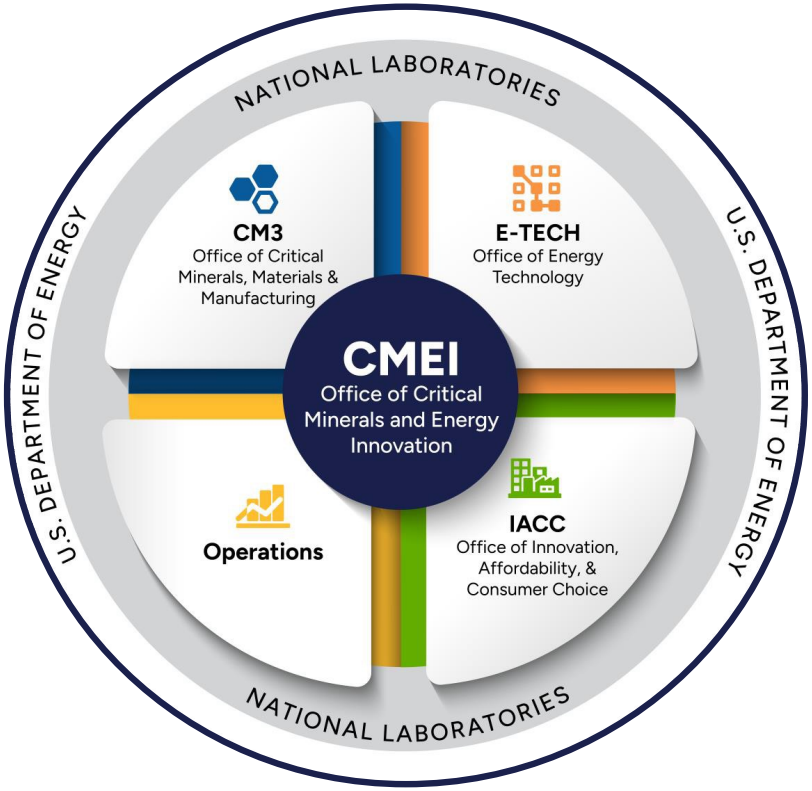
PRESENTER

Rupa Deshmukh

Senior Strategist, State Programs, Division of Clean Energy, New Jersey Board of Public Utilities

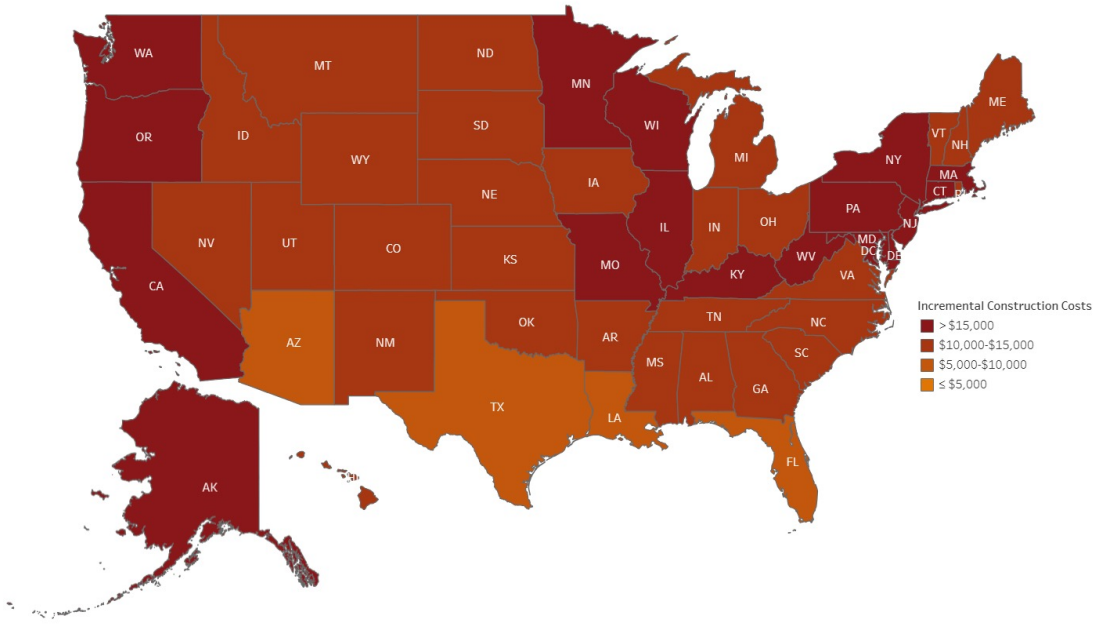
Office of Innovation, Affordability, and Consumer Choice

- Building Technologies Office
  - ► Appliance standards and building energy codes
- Federal Energy Management Program
- Industrial Technologies Office
- Office of State and Community Energy Programs
- ENERGY STAR and Better Buildings & Better Plants Initiative

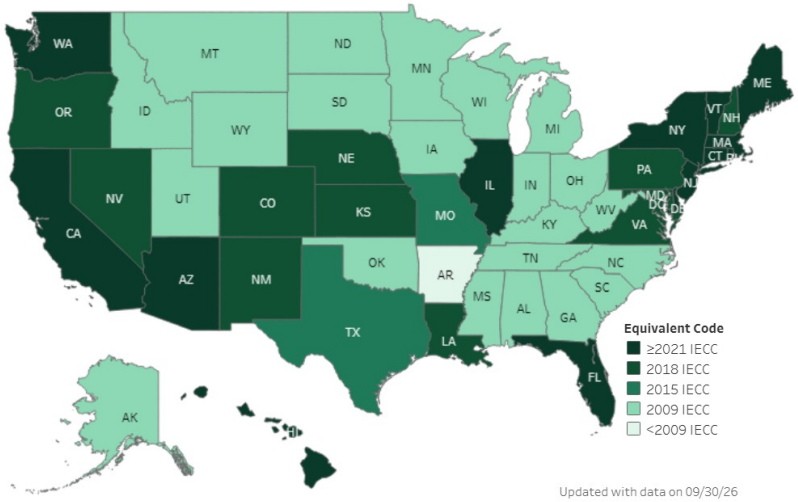


The Cost of Codes

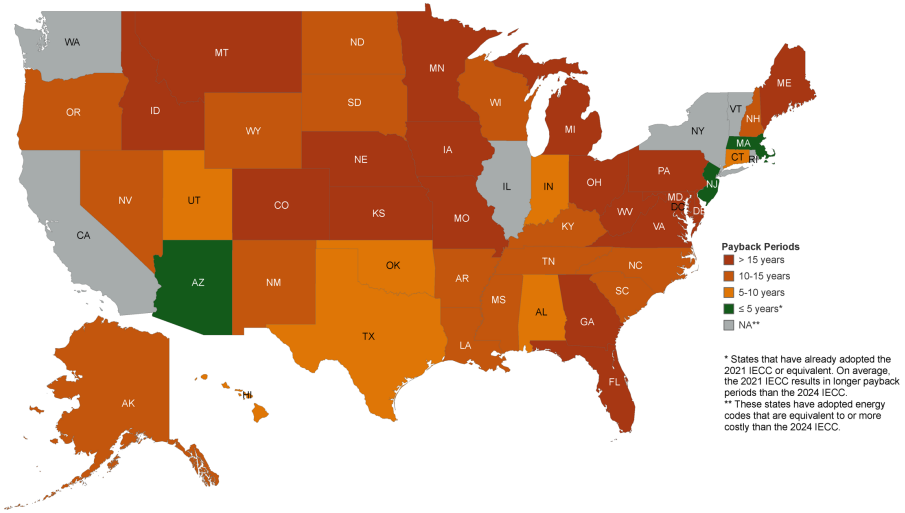
The 2024 International Energy Conservation Code (IECC), if adopted by all U.S. states, would raise new construction costs by $57 billion compared to current state codes.



State Energy Code Adoption for Residential Buildings



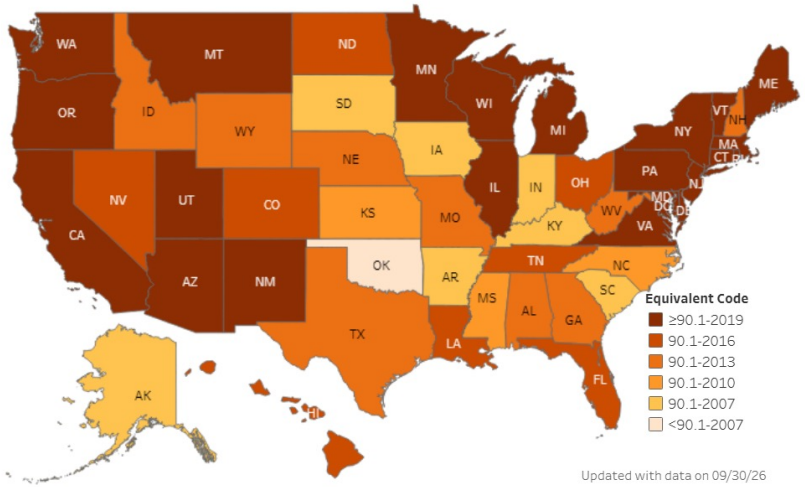
Current state adopted energy codes



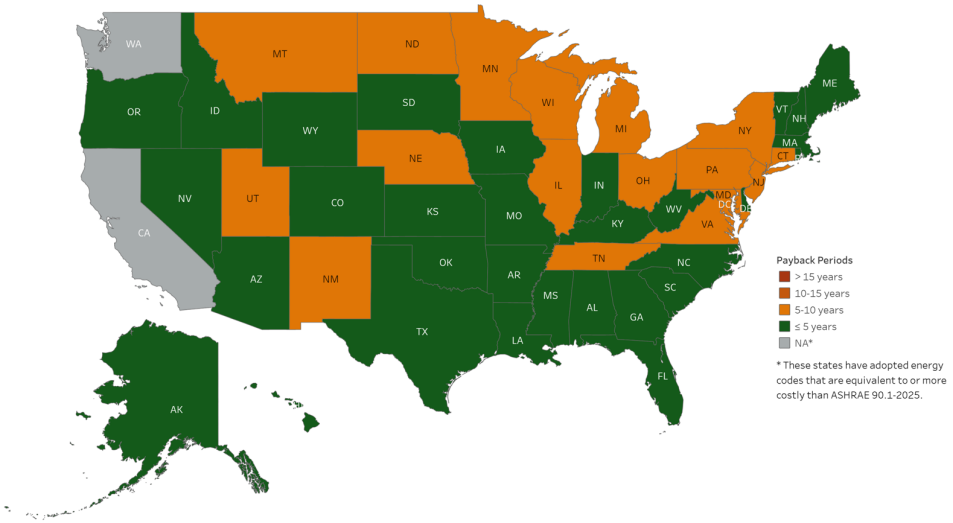
Payback periods of adopting the 2024 IECC vs. current state adopted codes

The payback period of adopting the 2024 IECC reaches up to **27 years** in some states compared to current state energy codes.

State Energy Code Adoption for Commercial Buildings



Current state adopted energy codes



Payback periods of adopting ASHRAE Standard 90.1-2025 vs. current state adopted codes

The payback periods of adopting Standard 90.1-2025 range from **0.7 to 8.4 years** across states compared to current state energy codes.

Permitting Delays

$2,383

Average cost of permitting delays for a typical single-family home, as estimated by the National Association of Home Builders.

4–7 months

Median permitting delay for residential developments, according to DOE analysis of select permitting dashboards. The median for commercial developments is 5 months to more than a year.

50%

How much more Los Angeles developers are willing to pay for land pre-approved for development, according to a study by Princeton and MIT.

IACC Workforce Initiatives



Training for Residential Energy Contractors (TREC)

ENERGY SKILLED
RECOGNIZED BY THE
U.S. DEPARTMENT OF ENERGY
TM