

# Resilient and Efficient Codes Implementation

Section 40511 of the Infrastructure Investment and Jobs Act (IIJA)

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# TODAY

- DOE's Role in Building Energy Codes
- Section 40511 of the IIJA
- Update and Current Awards
- Q & A

> How can states take advantage of new funding to help update and successfully implement their building energy codes?





# Building Energy Codes Program

## Mission

To support building **energy code development, adoption, implementation and enforcement processes** to achieve the maximum practicable, cost-effective improvements in energy efficiency and decarbonization while providing safe, healthy buildings for occupants.

## Directive

The Building Energy Codes Program is directed to:

- **Participate in industry processes** to develop model energy codes
- **Review published editions** of the IECC and Standard 90.1 and **issue determinations** as to whether they increase energy efficiency
- **Establish standards** for federal buildings
- **Provide technical assistance** to states and local governments to update and implement their energy codes



# Stakeholders - *Who do we work with?*

DOE works collaboratively across a diverse network of stakeholders:

- **States and local governments**

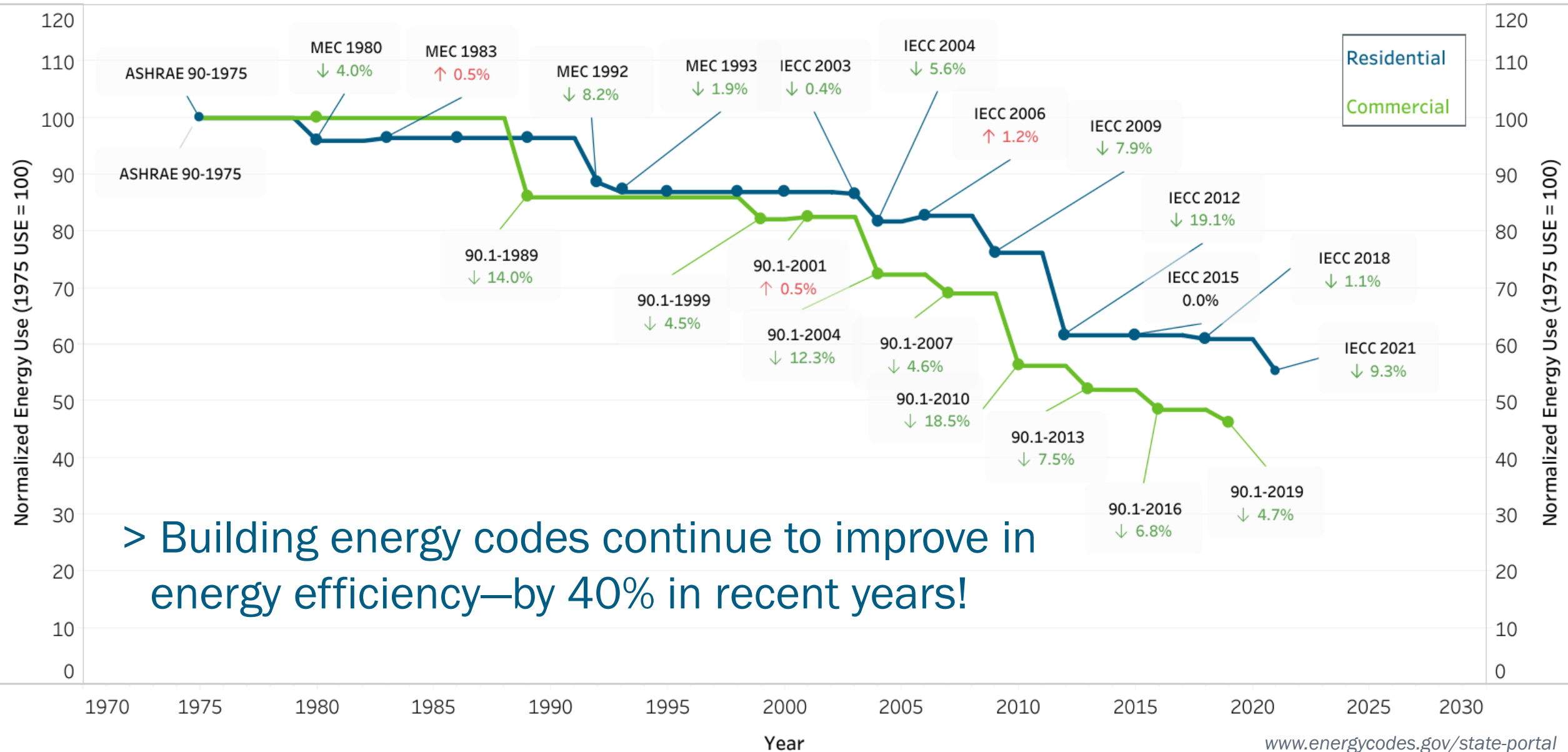
- Code development organizations (e.g., ICC and ASHRAE)
- Design professionals (architects and engineers)
- Builders and construction trades
- Energy raters and commissioning professionals
- Building officials and enforcement staff
- Regional energy efficiency organizations

- Consumer and environmental advocates
- Utilities
- Manufacturers and trade organizations
- Academic institutions
- National research laboratories
- Federal agencies

And a range of other building industry professionals...

> **Stay up to date on our activities by subscribing to our **BECP News** mailing list and by visiting **[energycodes.gov](http://energycodes.gov)**!**

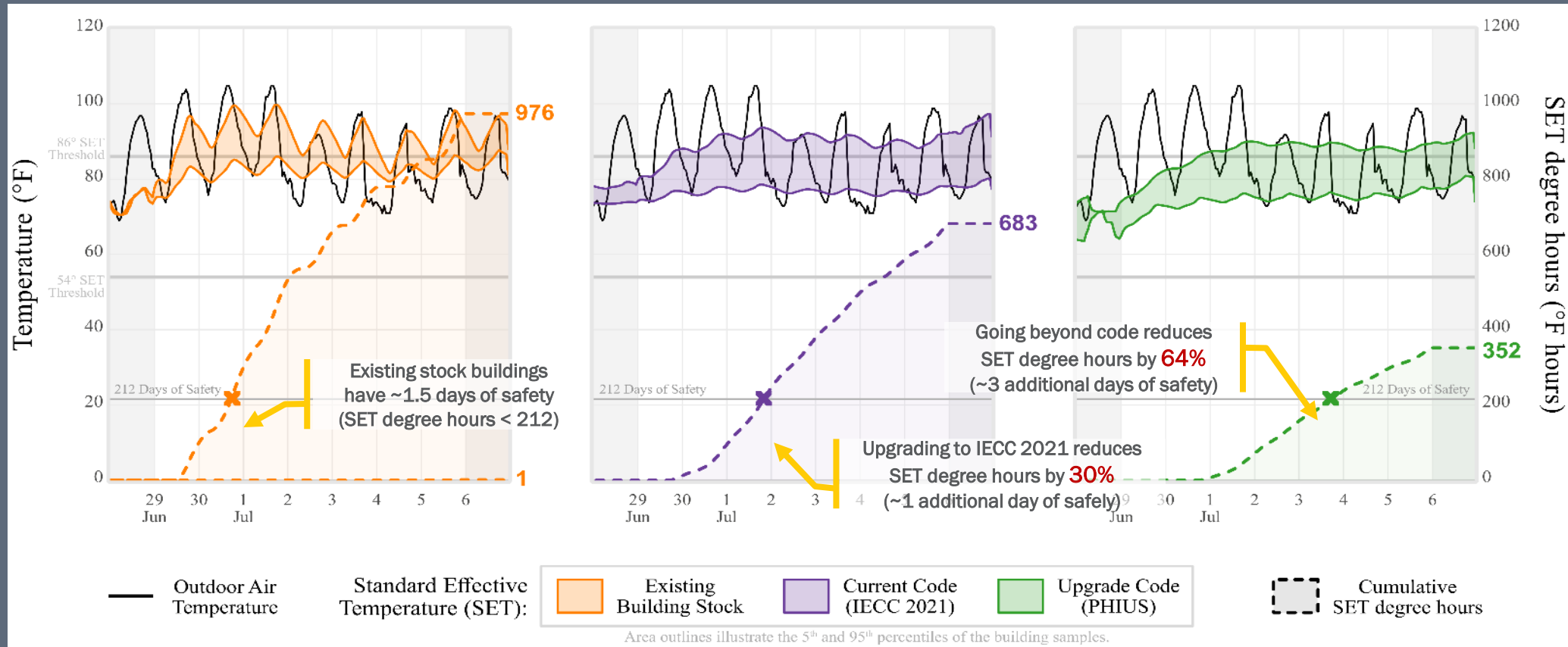




> Building energy codes continue to improve in energy efficiency—by 40% in recent years!

# Energy Codes Improve Energy Resilience

## Atlanta, Georgia – Long Heating Event 2012



> Building energy codes make our homes and businesses more resilient—homes built to the latest codes provide safe and habitable shelter significantly longer

# What Support is Available?

**\$1.2 billion** in new federal funding

\$225 million

Infrastructure Investment and Jobs Act (IIJA)

\$1 billion

Inflation Reduction Act (IRA)



# Infrastructure Investment and Jobs Act (IIJA) – Section 40511

**Title:** Cost-effective Codes Implementation for Efficiency and Resilience

**Funding:** \$225M (\$45M per year FY22 - FY26)

- Competitive grant program to enable sustainable and cost-effective implementation of updated building energy codes across the U.S.
- Encourages “partnerships” comprised of states and key stakeholders (e.g., local governments, code developers, builders, architects, engineers, among others)
- Supports code updates—but not limited to only the latest codes (2021 IECC and 90.1-2019)
- Targeted Activities: Energy code education & training, compliance research, planning, needs in rural vs. urban areas, and other activities which support state and local code implementation

> Resilient and Efficient Codes Implementation FOA issued December 2022  
embodying this new initiative and enhancing energy code technical assistance



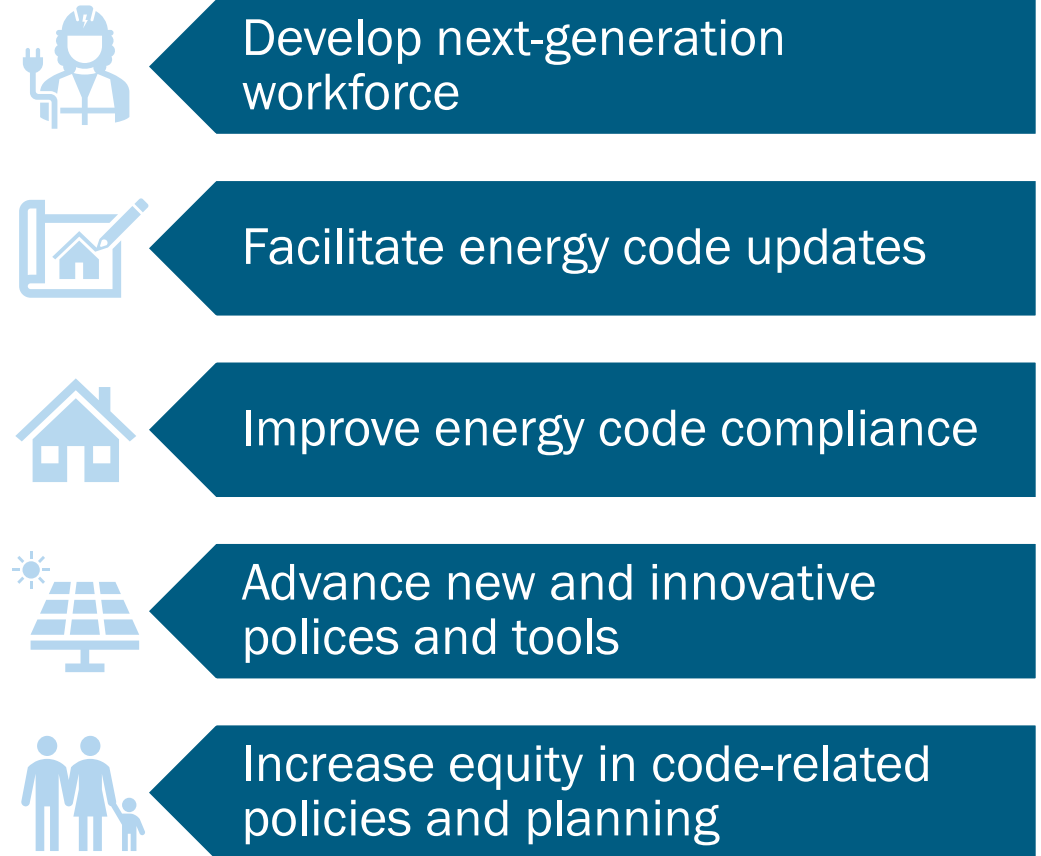


# Areas of Interest and Targeted Outcomes

## Key Areas of Interest



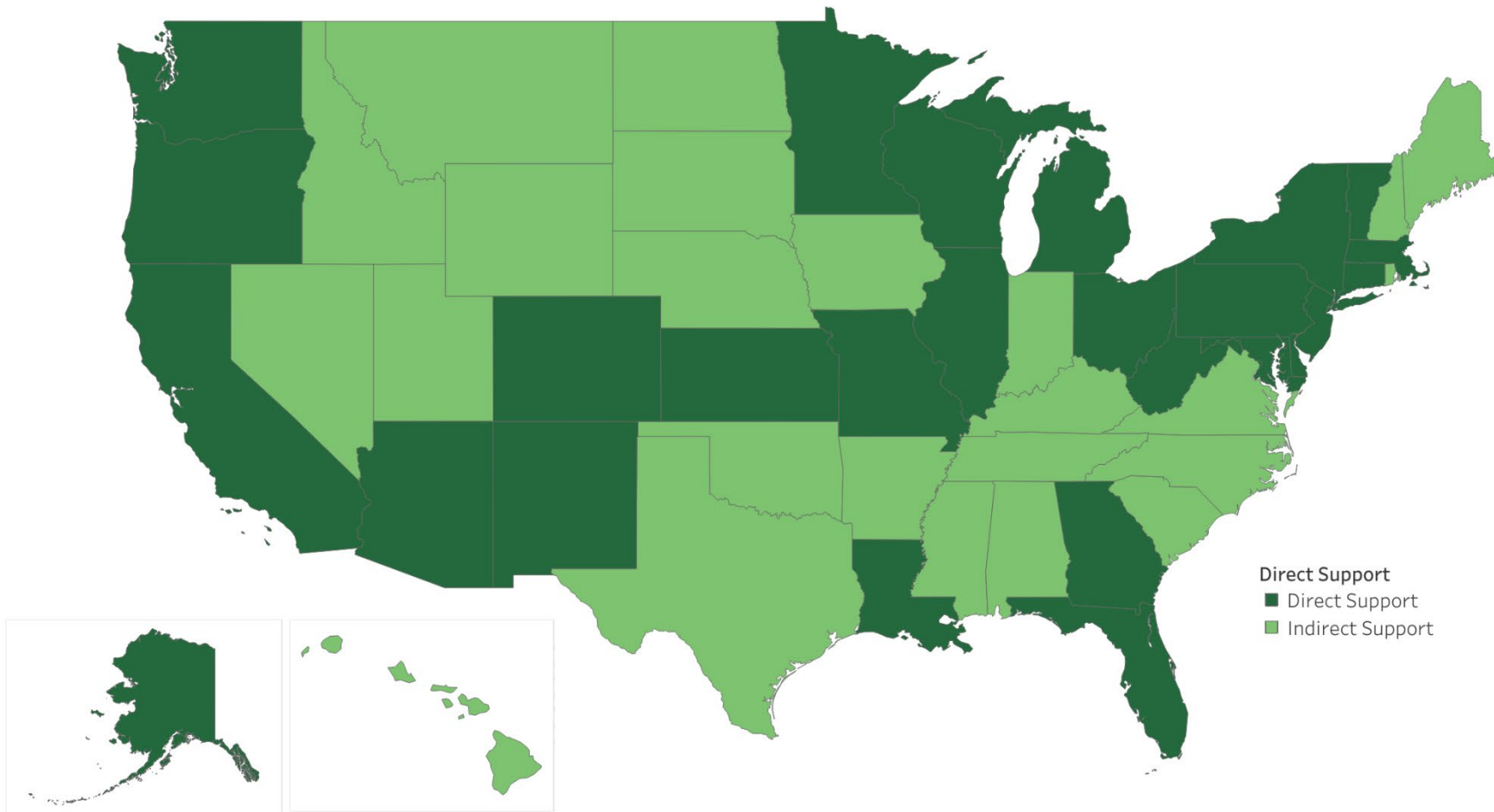
## Targeted Outcomes



> Activities are intended to be crosscutting and cover multiple areas of interest



# States Currently Supported (project locations)



- > All states are supported through national or regional partnerships—and 27 states directly
- > We expect to add more states through the second installment coming soon!



# Inflation Reduction Act (IRA) – Section 50131

**Title:** Assistance for Latest and Zero Building Energy Code Adoption

**Funding:** \$1 billion (through 2029)

- \$330M supporting the latest model energy codes (2021 IECC, ASHRAE Standard 90.1-2019), or equivalent or greater energy savings
- \$670M supporting zero energy codes (based on the 2021 IECC), or equivalent stretch code
- IRA targets states and units of local government with authority to adopt building codes
- States are also required to implement a plan to achieve *full* compliance in new and renovated residential and commercial buildings, which plan shall include active training and enforcement programs and measurement of the rate of compliance each year

> Administered through the Office of State and Community Energy Programs (SCEP)



# How can we apply or find out more?

Learn more:

- [Resilient and Efficient Codes Implementation \(RECI\)](#)  
Contact: [RECI\\_FOA@ee.doe.gov](mailto:RECI_FOA@ee.doe.gov) [IIJA initiative]
- [Technical Assistance for the Adoption of Building Energy Codes](#)  
Contact: [IRACodes@hq.doe.gov](mailto:IRACodes@hq.doe.gov) [IRA initiative]

