

ENERGY CODES BOOTCAMP Tuesday, July 19 (All times Eastern)

12:00 – 12:30p	Energy Codes 101
12:30 – 1:30p	REScheck Basics
1:30 – 1:45p	Break
1:45 – 3:00p	COMcheck Basics

Day 01 Wednesday, July 20 (All times Eastern)

12:00 – 12:20p	Welcome & Opening Remarks	
12:20 – 12:50p	Keynote Kelly Speakes-Backman, U.S. Department of Energy	
12:50 – 1:00p	Break	
1:00 – 2:00p	Infrastructure Funding to Support the Implementation of Resilient and Efficient Codes	
2:00 – 2:10p	Break	
2:10 – 3:10p	The Intersection of Codes and BPS	
3:10 – 3:20p	Break	
3:20 – 4:40p	How Building Energy Codes Fit Your State's or City's Climate Plan	
	Cities and Home Rule States	Advanced Code Jurisdictions
	Compliance and Education Solutions	

Day 02 Thursday, July 21 (All times Eastern)

12:00 – 12:20p	Welcome + Day 1 Recap		
12:20 – 12:50p	Keynote Grace Rink, City and County of Denver		
12:50 – 1:00p	Break		
1:00 – 2:00p	Setting Targets: Getting to Zero Energy Codes or Carbon Over Time		
2:00 – 2:10p	Break		
2:10 – 3:20p	Advancing Decarbonization via Energy Codes - Impacts and Lessons Learned		
	Grid-Connected Gear	Enhanced Envelope	Generation and Storage
3:20 - 3:30	Break		
3:30 – 4:30p	How Energy Codes Help Communities Improve Resilience		
4:30 - 4:40	Closing		

2022 NECC Session Descriptions:

Infrastructure Funding to Support the Implementation of Resilient and Efficient Codes

Section 40511 of the Infrastructure Investment and Jobs Act (IIJA) provides \$225M in funding to drive the cost-effective implementation of updated building energy codes supporting improved efficiency and resilience. This will result in a new DOE initiative supporting energy codes and has the potential to help transform energy code adoption and implementation across the country. This session will cover the latest updates on the status of the new competitive grant program, including key topics such as partnerships, workforce development, innovative approaches, energy and environmental justice, and more.

The Intersection of Codes and BPS

Energy codes have long helped ensure efficiency during new construction and major renovations, but there is also an urgent need to improve the existing building stock beyond where building codes traditionally apply. To help address this need, dozens of state and local governments are considering building performance standards (BPS), an emerging policy mechanism that gained significant attention in the last few years for its ability to drive efficiency and decarbonization. There are still many open questions around BPSs and, in particular, how they align with new construction codes. This panel will discuss the latest developments and progress around BPS policies and programs including work from ASHRAE, the National BPS Coalition, and the network of supporting organizations working to improve building performance.

How Building Energy Codes Fit Your State's or City's Climate Plan

Cities and states around the country have announced ambitious energy, climate, and air pollution goals but too often these communities miss the opportunity to leverage building energy codes to achieve their goals. This session will convene a discussion of state and local government representatives to discuss how energy efficient building codes can directly contribute to achieving climate goals and be better integrated into policy decisions. Participants will hear about how state and local governments can collaborate to achieve shared priorities and facilitate conversations between different levels of government.

Setting Targets: Getting to Zero Energy Codes or Carbon Over Time

Many states, local governments and industry organizations aim to achieve zero net energy (ZNE) new buildings by 2030 but often lack energy code mechanisms to realize this goal. This session will walk through examples of how to plan for and achieve zero energy/carbon codes, including potential methods to establish stepwise energy targets for achieving zero energy and carbon via building codes. The session is intended to provide technical guidance, support goal setting, and instigate discussion which can help inform future code development and update processes.

Advancing Decarbonization via Energy Codes – Impacts and Lessons Learned

Measures to expand distributed energy resources and decarbonization are appearing in energy codes with increasing frequency, marking a shift in energy codes to not only considering energy efficiency criteria, but also measures that reduce greenhouse gas emissions and encourage demand flexibility. This session will discuss how energy codes are tackling emerging policies around grid flexibility and decarbonization in the model energy codes, include examples such as electric vehicle and solar requirements, grid-connected equipment, and electrification-ready measures. It will also feature lessons learned from municipalities implementing these measures.

**ENERGY
CODES | 2022**

2022 NATIONAL ENERGY CODES CONFERENCE
HOSTED BY THE U.S. DEPARTMENT OF ENERGY

July 19-21 | Virtual

U.S. DEPARTMENT OF
ENERGY | Office of ENERGY EFFICIENCY
& RENEWABLE ENERGY


Building Energy Codes
U.S. DEPARTMENT OF ENERGY

How Energy Codes Help Communities Improve Resilience

Communities nationwide increasingly recognize the value of resilient buildings in preparation for extreme weather and natural hazards. The federal government, states, and localities are addressing this need using different methods such as planning, zoning, and building codes. Building energy codes, in particular, support resilient buildings and communities by allowing some businesses to reduce closures during hazards, ensuring homes remain livable during and after events, and reducing power disruptions for state and local emergency services after an event. This session will address these topics and more, including to what extent energy codes should ensure basic needs be met when power is unavailable. It will also explore the role of energy efficiency and grid flexibility in the resilience planning process.

2022 National Energy Codes Conference Line-up - THANK YOU to our leads, moderators, and speakers!

TOPIC	SESSION LEAD	MODERATORS / SPEAKERS
Infrastructure Funding to Support the Implementation of Resilient and Efficient Codes	Chris Perry, U.S. DOE	Ashley Armstrong, U.S. DOE Chris Perry, U.S. DOE Jeremy Williams, U.S. DOE
The Intersection of Codes and BPS	Harry Bergmann, U.S. DOE Ian Blanding, PNNL	Harry Bergmann, U.S. DOE Bing Liu, PNNL Crystal Egelkamp, Colorado Energy Office
How Building Energy Codes Fit Your State's or City's Climate Plan	Ed Carley, NASEO	Ian Finlayson, Massachusetts Robin Yochum, Nevada Governor's Office of Energy Kim Cheslak, New Buildings Institute Jenny Niemann, City of Flagstaff
Setting Targets: Getting to Zero Energy Codes or Carbon Over Time	Ellen Franconi, PNNL	Ellen Franconi, PNNL Bertine Stelzer, BC Hydro Jamy Bacchus, ME Engineers
Advancing Decarbonization via Energy Codes – Impacts and Lessons Learned	Alison Lindburg, MEEA	Cameron Freberg, Austin Energy Greg Arcangeli, Austin Energy Green Building Howard Wiig, State of Hawaii Alexi Miller, New Buildings Institute Rodney Sobin, NASEO Jim Meyers, SWEEP Kevin Rose, NEEA
How Energy Codes Help Communities Improve Resilience	Jim Meyers, SWEEP	Joseph Sollod, ICC John Ingargiola, FEMA Heather Rosenberg, Arup