



# New Jersey Energy Code Collaborative

November 25, 2025



# Agenda



<b>1:00pm</b>		Welcome	BPU/Rutgers/NEEP
<b>1:00pm</b>	5 minutes	2024 IECC and ASHRAE 90.1.2022 adoption in New Jersey	NEEP/Rutgers
<b>1:05pm</b>	25 minutes	Discussion	

# Meeting Guidelines – Antitrust Statement



- Throughout our meetings, participants shall comply with competition law requirements and shall not enter into any discussion, activity or conduct that may violate any applicable competition law. Should the meeting discuss matters that contravene competition law requirements, it is the responsibility of participants to notify the Moderator who will discontinue the discussion or close the meeting.



# 2024 IECC and ASHRAE 90.1.2022 adoption in New Jersey

# New Jersey Uniform Construction Code Energy Subcode Updates



**Status:** Notice of Proposed Rulemaking (PRN 2025 136) filed Sept. 19, 2025 and published Oct. 20, 2025 in the NJ Register ([57 NJR 10\(2\)](#)). The proposal would update the UCC/Energy Subcode (N.J.A.C. 5:23-3.18 et seq.) to reference the 2024 International Energy Conservation Code (IECC) for residential buildings and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 90.1 2022.

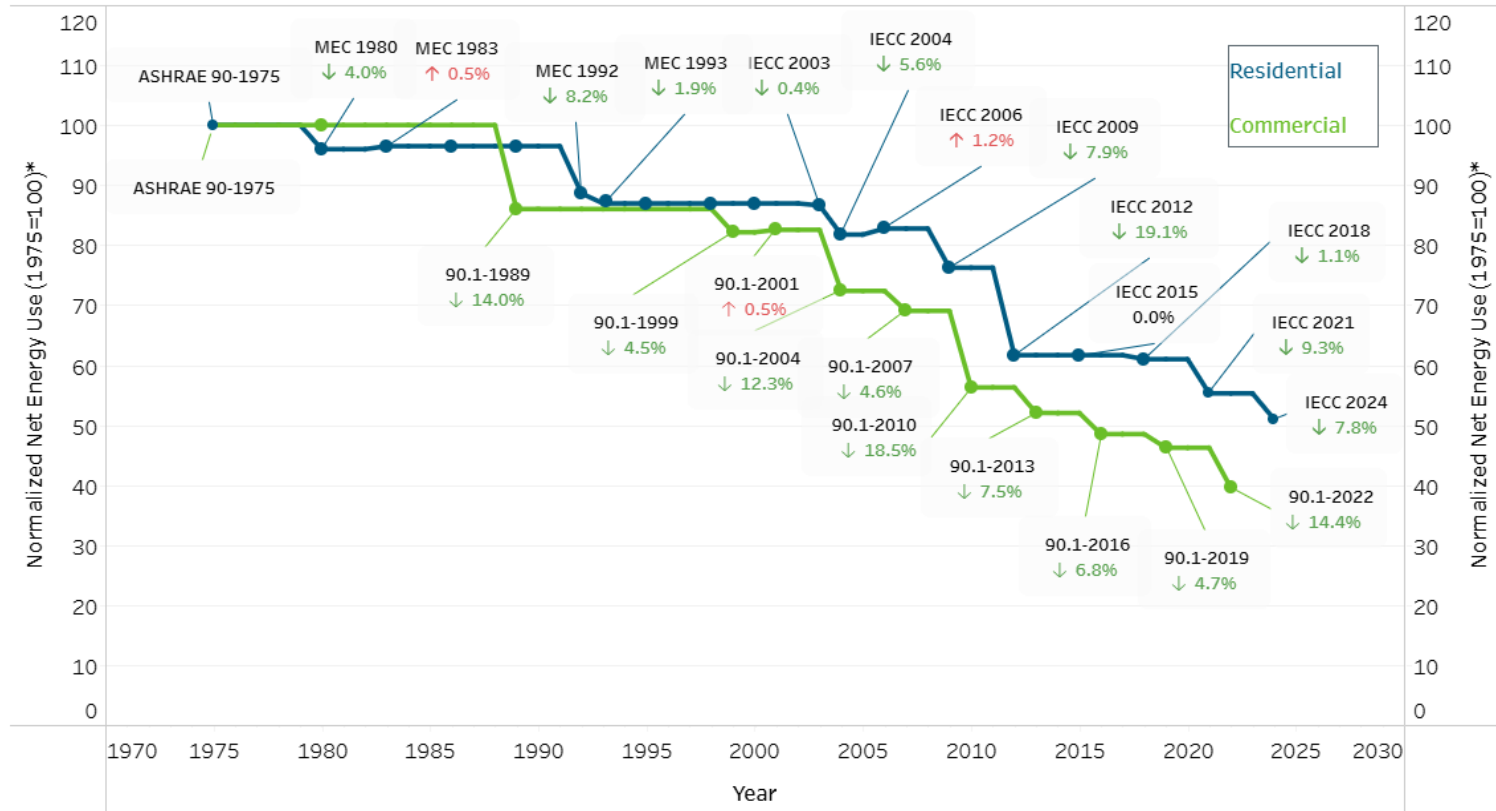
**Comment deadline:** Written comments accepted through December 19, 2025.

**How to comment:** Send comments to the Department of Community Affairs, Division of Codes & Standards – Attn: Dominic Giova. Comments may be emailed to [Dominic.Giova@dca.nj.gov](mailto:Dominic.Giova@dca.nj.gov), faxed to (609) 984 6696, or mailed to PO Box 800, Trenton, NJ 08625.

# Proposed New Jersey Energy Subcode Expected Impacts



U.S. DEPARTMENT OF ENERGY Estimated Improvement in Residential & Commercial Energy Codes (1975 - 2024) Pacific Northwest NATIONAL LABORATORY



\*Net energy use includes the contribution of renewable energy generation

\*Source: U.S. Department of Energy <https://www.energycodes.gov/infographics>

# Proposed New Jersey Energy Subcode

## Expected Impacts



- The U.S. Department of Energy (DOE) issued an affirmative determination that the 2024 IECC improves energy efficiency in residential buildings compared to the 2021 version. DOE estimates national savings of approximately:
  - 7.8 percent site energy savings
  - 6.8 percent source energy savings
  - 6.6 percent energy cost savings
- DOE issued a determination that ASHRAE 90.1-2022 will achieve greater energy efficiency in commercial buildings compared to the 2019 version. DOE estimates national savings in commercial buildings of approximately:
  - 9.8 percent site energy savings\*
  - 9.4 percent source energy savings
  - 8.9 percent energy cost savings

\*The ASHRAE 90.1-2022 site energy savings excludes the contributions of renewable energy generation.

# Energy Subcode Updates

## Major 2024 IECC Residential Changes



- ⑩ **Tighter window U-factors:**  $U \leq 0.28$  in CZ5 (was 0.30); skylights  $U \leq 0.53$  in CZ4 and  $U \leq 0.50$  in CZ5
- ⑩ **Attic insulation lowered:** R-49 in CZ4-8 (was R-60 in 2021)
- ⑩ **New insulation flexibility:** Builders may use combined cavity+continuous insulation options to meet the envelope requirement
- ⑩ **Hot water pipe insulation increased:** 1" minimum (was R-3)
- ⑩ **Interior lighting requires auto shut-off:**  $\leq 20$  min in garages, basements, etc
- ⑩ **Additional Efficiency Credits:** 10–15 points required from approximately 50 efficiency options
- ⑩ **ERI path caps lowered:** CZ4 ERI = 53 (no renewables) or 40 (with renewables); CZ5 ERI = 54 (no renewables) or 43 (with renewables)

CZ – Climate Zone

ERI – Energy Rating Index

# Residential Code Updates: *Building Envelope*



			IECC 2021	IECC 2024
<b>Envelope</b>	Insulation	Wall	20+5 or 13+10ci or 0 + 15 in CZ 4 & 5	30 or 20+5ci or 13+10ci or 0+20ci in CZ 4 & 5
		Ceiling	R-60 in CZ 4 & 5	R-49 in CZ 4 & 5
		Slab	R-10, 4 ft in CZ 4 & 5	R-10, 3 ft in CZ 4 & 5
	Fenestration		U 0.30 in CZ 4 & 5	U 0.30 in CZ 4 & U 0.28 in CZ 5
	Air Leakage		3.0 ACH50 CZ 4 & 5	3.0 ACH50 CZ 4 & 5

The 2022 New Jersey Energy Code Compliance Study identified envelope insulation and air leakage as areas in need of improved compliance.

# Resources to Support your Public Comment



- Public Comment Letter Template
  - [Helps you structure and draft your comment](#)
- Resource: Strengthening the residential 2024 IECC
  - [Includes an overview of residential readiness appendices and strengthening provisions for the 2024 IECC](#)
- Oct. 20 [ECC Meeting Slides](#)
  - [Provide details on provisions moved from the base code to appendices in the 2024 IECC and include NJ-specific cost information](#)

*(Shared by NEEP via email on November 10)*



# Discussion



**For more information**

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