

SEAC Member Meeting

March 25, 2021

Ryan Colker, Vice President, Innovation International Code Council

IECC®

INTERNATIONAL ENERGY CONSERVATION CODE*

A Member of the International Code Fa





INTERNATIONAL **RESIDENTIAL** CODE[®] for One- and Two-Family Dwellings

INCLUDES Residential requirements from NFPA 70: National Electrical Code® 2020 The electrical code designated for use with the I-Codes®







INTERNATIONAL GREEN CONSTRUCTION CODE[®] A Comprehensive Solution for High-Performance Buildings

A Member of the International Code Far

POWERED BY ANSI/ASHRAE/ICC/USGBC/IES 189.1-2020 Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings



2021

Cities, states and the federal government have committed to energy or greenhouse gas emissions goals



Pledge, Compact, Commitment, or Initiative	Number of Participating US Local Governments
Climate Mayors	407
We are Still In	307
Ready for 100	148
Under2MOU	26
Bloomberg American Cities Climate Challenge	25
Rockefeller 100 Resilient Cities	24
2030 Districts	21
DOE Zero Energy Schools Accelerator	14
DOE Energy Accelerator	11
DOE Zero Energy Districts Accelerator	4

ACCEPTANCE ON BEHALF OF THE UNITED STATES OF AMERICA

I, Joseph R. Biden Jr., President of the United States of America, having seen and considered the Paris Agreement, done at Paris on December 12, 2015, do hereby accept the said Agreement and every article and clause thereof on behalf of the United States of America.

Done at Washington this 20th day of January, 2021.

JOSEPH R. BIDEN JR.



LEADING THE WAY TO ENERGY EFFICIENCY

A Path Forward on Energy and Sustainability to Confront a Changing Climate



Updated IECC development process



Enhanced Energy & Carbon Reduction resources

www.iccsafe.org





Energy Efficiency and Carbon Advisory Council

www.iccsafe.org/energy

- IECC Development
 - A code developed through a standards process
 - ASHRAE Standard 90.1 as commercial compliance path
 - Residential provisions also captured in IRC Chapter 11
 - Revised Scope and Intent:
 - Considerations for future efficiency increases are based on language vetted by diverse stakeholder interests
 - Provide solutions for diversity of jurisdictions
 - Maintain 3-year cycle and prevent roll backs
 - Support simplification to advance adoptions



- IECC Development Process
 - Initial draft (2021 IECC) posted for public comment (code change proposals via cdpACCESS)
 - Committee/working groups review proposals, Committee acts on proposals (approve, disapprove, further work)
 - Draft released for public comment on revisions, committee addresses comments (repeat as necessary to respond to all comments)
 - Committee ballots final document, published as 2024 IECC

- Opportunities for Participation
 - IECC Development Committee Membership
 - Residential
 - Commercial
 - Development Committee Work Groups
 - Submit code changes
 - Participate in development committee meetings (open)
 - Review and comment on public review drafts

- IECC Development
 - Committee Criteria/Membership
 - Consistent with CP 12, CP 7, Consensus Procedures
 - Diversity across 9 interest categories
 - 1/3 Government Regulators, Chair=Government Regulator
 - Diversity of experience, climate zone, organization size
 - Membership represents racial, gender and socioeconomic diversity
 - Working groups to allow broad participation, consensus building
 - Call for nominations open, due by April 23

- IECC Development
 - Committee Principles/Procedures
 - Matters of process
 - Continuous maintenance
 - Public input, open meetings, notice, etc.
 - More details on items covered in Intent
 - Cost impact statement, cost effectiveness analysis
 - Market readiness
 - Optional, supplemental requirements (e.g., meet jurisdiction ZEB timelines)





IECC Development Process

Why is the IECC development process being changed?

The International Code Council Board of Directors, which consists of 18 governmental members, has determined that for the IECC a...

Who will be on the IECC Development Committees?

The Code Council Consensus Procedures comply with ANSI's Essential Requirements, which ensure committee balance. Recognizing the important role of governments...

What will change about the substance of the IECC?

The 2021 IECC will be the starting point for revisions for the 2024 IECC. The 2021 IECC base efficiency requirements...

What will change for the IECC with the standard development process?

The IECC will remain a code (called the IECC), but will be developed under a standards development process, like the...

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- Energy and Carbon Reduction Resources
 - Potential resource topics:
 - Electric vehicle resource
 - Electrification and decarbonization resource
 - Zero energy and zero carbon resource
 - Embodied carbon resource
 - Grid interactivity/efficiency resource
 - Performance standards for existing buildings
 - Enhancing energy savings through water efficiency and reuse
 - Integration of on-site renewable energy generation and energy storage



- Energy and Carbon Advisory Council
 - Inform development of IECC and Resources
 - Support adoptability, implementation
 - Membership could include:
 - Mayors, county executives, or other local government sustainability/resilience leaders
 - State government sustainability/resilience leaders
 - Federal agency representatives
 - Leaders from public interest and private industry organizations, including, but not limited to, finance, academia, research, manufacturing, building, affordable housing, energy and climate policy, and insurance stakeholders



- Educational Support
 - Articles and emails on standards activities
 - Tutorials on standards process, getting involved
 - Standards activities highlighted on website, social media
 - Outreach to chapters for awareness building and education

Additional Resilience Initiatives

- Global Resiliency Dialogue: <u>www.globalresiliency.org</u>
- Energy Efficiency and Carbon Reduction Resources:

https://www.iccsafe.org/advocacy/energy-efficiency-and-carbonreduction/

- Alliance for National & Community Resilience: <u>www.resilientalliance.org</u>
- The Important Role of Energy Codes in Achieving Resilience: <u>https://www.iccsafe.org/wp-content/uploads/19-</u> <u>18078 GR ANCR IECC Resilience White Paper BRO Final midr</u> es.pdf

Ryan M. Colker, J.D.

Vice President, Innovation

Executive Director, Alliance for National & Community Resilience

International Code Council

202-569-5795

rcolker@iccsafe.org • ANCR@resilientalliance.org

iccsafe.org • resilientalliance.org

@rmcolker • @ANCResilience







INTERNATIONAL

CODE COUNCIL®









Alliance for National & Community Resilience