



Austin Energy Green Building Energy Code Intro. for RMC

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April 20, 2021

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Agenda

- Scope of RMC relating to energy code
- Overview of International Energy Conservation Code (IECC)
- Overview/timeline of local IECC development and adoption process
- 2021 IECC- notable developments
- Next steps

How is the Energy Code in the RMC Scope?

*The purpose of the Commission is to:

(D) Review and Analyze:

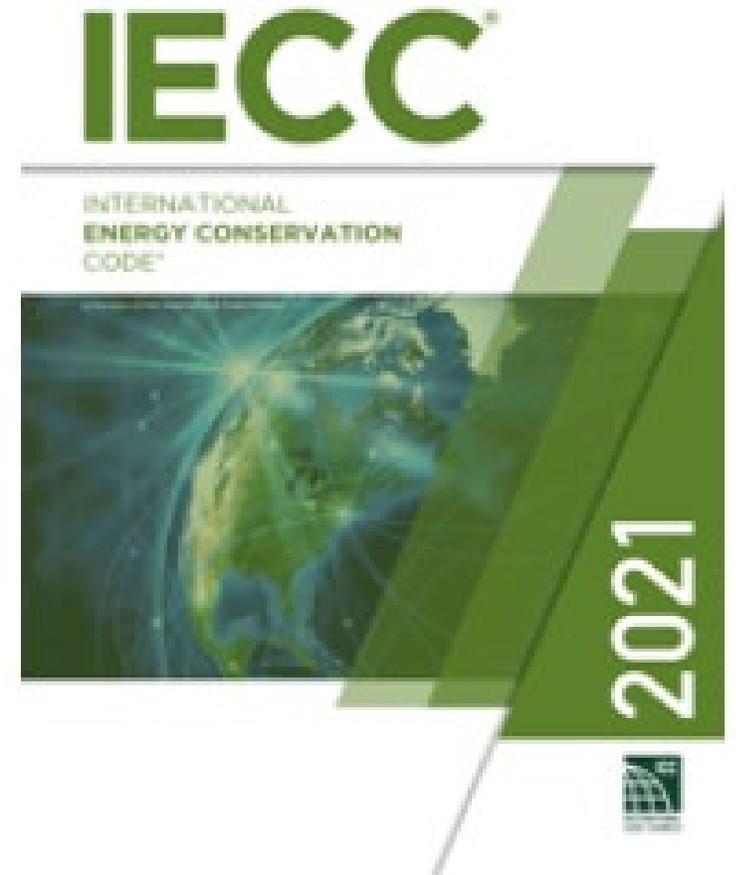
(4) the City Code to identify potential amendments that encourage the use of alternate energy technologies and renewable energy sources, and the conservation of energy.

(E) Advise the City Council:

(5) regarding appropriate City Code amendments that encourage the use of alternate energy technologies and renewable energy sources, and the conservation of energy.

Overview of IECC

- Energy is one of the International Codes developed by the International Code Council
- New codes on 3 year cycles
- Austin is on the 2015 IECC currently
- Regulate design and construction for effective use and conservation of energy, permit use of innovative approaches
- Energy code is divided- commercial and residential



IECC Overview con't...

- **Main sections include**
 - Insulation
 - Envelope
 - Mechanical systems
 - Lighting
- **Two ways of meeting requirements**
 - Prescriptive- ex. You must do a, b and c
 - Performance based- modeling
- **Local amendments- municipalities may pass amendments to the IECC to meet relevant local goals and priorities**

Process of Code Adoption

Roles

- Development Services Department (DSD)- responsible for adoption and enforcement of building codes for the City
- Austin Energy Green Building- facilitates stakeholder review and development of local amendments

Code Adoption con't...

Stakeholder review/input

- Split- residential and commercial
- Open March 15 through April 15 via DSD's Public Input portal
<https://publicinput.com/V1231>
- Includes- home builders, Home Builder's Association, architects, American Institute of Architects, non-profits, environmental community

Schedule

4/20- RMC- Introduction

4/28- Joint Sustainability Commission- courtesy review

5/6- City Council- “set hearing” -DSD

5/14- EUC- courtesy review

5/18- RMC- Review proposed code, stakeholder feedback

DSD will need the RMC recommendation within 2 days to update the posting

5/25- Mechanical & Plumbing Board- courtesy review

5/26- Building & Fire Code Board of Appeals- courtesy review

6/3- City Council for approval- DSD

9/1- Implementation

2021 IECC- Notable Developments

IECC-

- Estimate 8-10% increase in energy efficiency over existing code
- Electric Vehicle (EV) Ready and Electrification were struck during appeals

Local-

- No new local amendments, will carry over relevant 2015 amendments
 - Will carry forward Solar Ready
 - Will revisit requirement for natural gas water heating for residential construction
- Look to progress EV Ready and Electrification through means other than

IECC

Other Steps

- Model local (MW, kWh) impacts
- Residential affordability impact statement
- Legal Review
- Back to RMC 5/18
 - Look for recommendation
- Green Building
 - Update ratings
 - Update code savings methodology and goals

Thank You
Questions?

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