

IECC 2024 Update

International Energy Conservation Code

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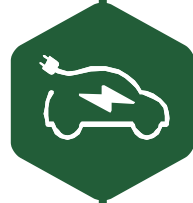
Agenda



Proposed Timeline



Expected Changes



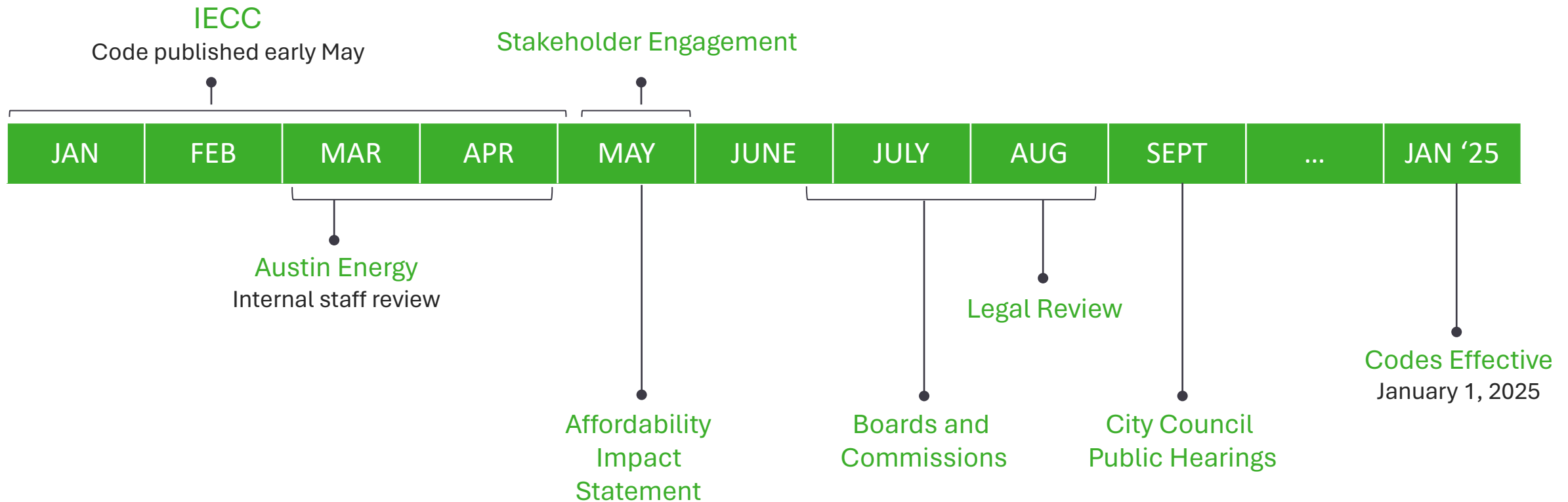
Electric Vehicles &
Electric Readiness



Next Steps and Q&A

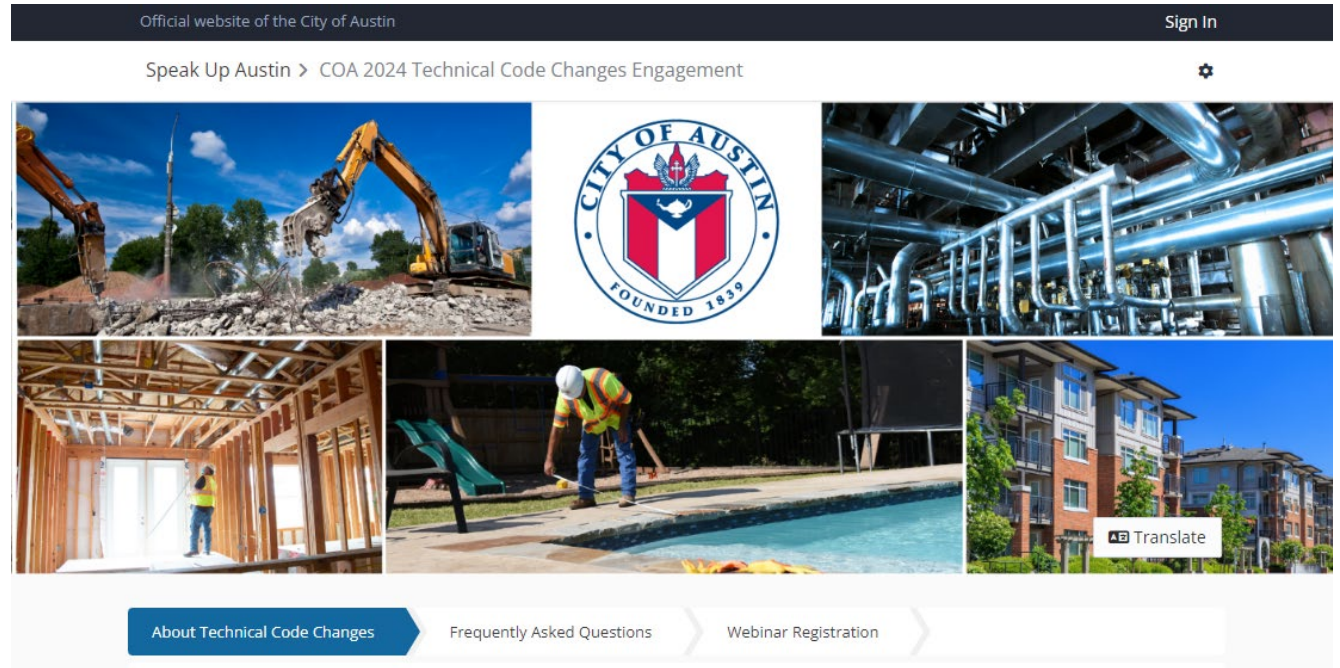
Proposed Adoption Timeline

2024 Update to International Energy Conservation Code (IECC)



Stakeholder Engagement

- **Public Comment Period**
 - May 6 – 31
 - Speak Up Austin
- **Available Resources**
 - Code adoption timeline & process
 - Code summaries
 - Proposed ordinance
- **Austin Energy Green Building webinars as requested**



International Energy Conservation Code (IECC) (2024 Amendments)

The public input period for this code will be May 6 - 31, 2024. The Austin City Council will review the proposed changes prior to adoption.

[Learn More](#)

Expected Changes – Residential

2024 IECC (Proposed)



- **Additional Energy Efficiency requirement point system**
 1. Prescriptive Path – envelope, mechanical, demand response and onsite solar options
 2. Modeling Path – demonstrate up to 20% energy savings
- **Demand response controls required for electric water heaters**
- **Bathroom exhaust fans require controls to remove moisture**
 - Can include timers, occupant sensors, humidity control or contaminant control
 - Similar requirement in Austin Energy Green Building program
- **Air leakage target reduction from 5 ACH50 to 4 ACH50**
- **Prescriptive attic insulation requirement decreased to R38**

Expected Changes – Commercial

2024 IECC (Proposed)

- Updates specific Additional Efficiency section to align the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) standard 90.1 2019 addendum AP
- Energy Storage Systems (ESS) installed or ESS ready
- Onsite renewable energy generation or offsite procurement options



Electric Vehicle Readiness

2024 IECC (Proposed)

Commercial

EV-capable, EV-ready or EVSE required quantities determined by building occupancy type

Residential

- One and two-family dwellings and townhouses = one EV-capable, EV-ready or EVSE space per dwelling
- R-2 occupancies = EV-capable, EV-ready or EVSE space for 40% of dwelling units or car parking spaces, whichever is less



Definitions

- **EV-Capable** - Capacity and conduit
- **EV-Ready** - Capacity, conduit, wiring and outlet
- **EVSE** - Capacity, conduit, wiring, charging station

Electric Readiness

2024 IECC (Proposed)



Commercial

- Requirements included in Appendix CH
- Combustion space heating
- Combustion service water heating
- Combustion cooking/clothes drying
- Reserved space for future electric equipment
- Dedicated branch circuits



Residential

- Capacity to be included in load calculations
- Dedicated branch circuit outlets shall be installed and terminate within three feet of and with a rating not less than
 - Cooking appliances: 240-volts, 40-amps
 - Clothes dryers: 240-volts, 30-amps
 - Water heaters: 240-volts, 30-amps or 120V, 20-amps
- Exceptions allowed for equipment not installed or serving multiple dwelling units

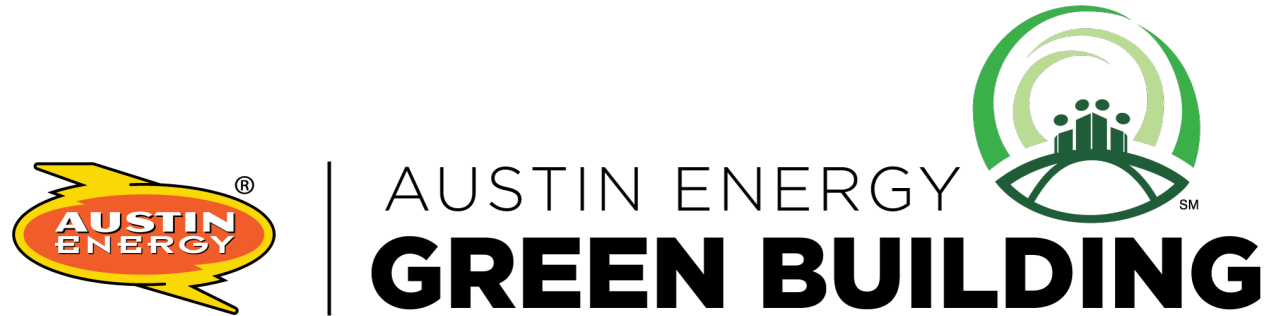
Space Clearances

Research

Austin Energy Green Building is contacting local and national partners to determine the practicability of a local code amendment to include space clearances minimums for water heaters.



Electrify Now Webinar: 120 Volt Plug-In Heat Pump Water Heaters



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