



COLORADO
Energy Office

Colorado Energy Codes

Adam Berry, Sr. Program Manager - Building Codes

Economic Development Council of Colorado Regional Economic Development Forum
May 10, 2023

Benefits of Stronger Energy Codes

- Tighter building envelopes that reduce air exchanges, drafts, and leakages and improve energy performance of buildings
- Higher efficiency requirements for appliances and lighting systems
- Reduces on-site building GHG emissions which improves indoor air quality and reduces overall emissions from building stock
- Prepares new building stock for future on-site renewable energy, electrification of appliances, and installation of EV charging infrastructure and reduces the need for and minimizes the costs of future retrofits
- Lower utility bills for home and building owners
- Prevents a need for major renovations to new buildings later in their life



COLORADO
Energy Office

Economic Development & Housing



- To attract and grow new workforce, housing needs to be high quality, affordable, and have amenities that homeowners and renters could get elsewhere.
- Part of affordability is long-term costs of the home - utility bills, maintenance, etc.
- Demand for rooftop solar and EVs is growing rapidly in Colorado, in both rural and urban areas.
- Building homes to advanced energy codes provides:
 - Improved energy efficiency to lower utility costs
 - Greater health and safety of homes through better air quality, increased comfort, and reduced maintenance
 - Increased competitiveness by offering homeowners access to solar and EV charging



Colorado Energy Codes - Starting July 1, 2023

- Colorado legislature passed a law in 2022 (HB22-1362) that updates the state's energy code requirements for any jurisdiction that adopts or updates any building code on or after July 1, 2023 and before July 1, 2026 to adopt:
 - 2021 IECC or an equivalent code; and
 - Electric ready and solar ready code developed by the Energy Code Board, which will include pre-wiring requirements for:
 - Future solar PV or solar thermal installation
 - Future installation of high efficiency electric appliances in mixed-fuel buildings
 - Future charging of electric vehicles



Colorado Energy Codes - Starting July 1, 2026

- HB22-1362 requires any jurisdiction that adopts or updates any building code on or after July 1, 2026 to adopt:
 - A low energy and carbon code, or a code that provides equivalent energy and emissions performance, to be developed by the Energy Code Board and include:
 - 2021 IECC or 2024 IECC, whichever is more energy efficient
 - Any appendices to the 2021 IECC or 2024 IECC the Energy Code Board deems appropriate
 - Updates to the solar ready and electric ready code, if necessary
 - Compliance pathways for both all-electric and mixed-fuel buildings



Energy Code Funding

- \$2 million for direct grants to local governments to support adoption and enforcement of the 2021 IECC and stretch codes adopted by the Energy Code Board
- \$1 million to provide training to building departments and local government officials on updated energy codes
- \$1 million to provide training to the building industry on updated energy codes
- CEO applying for tens of millions of dollars from the federal government for advanced energy code programs



COLORADO
Energy Office

Thank You!

Adam Berry - Sr. Program Manager - Building Codes, Colorado Energy Office
adam.berry@state.co.us