Looking Ahead:
2021 IECC Changes Preview

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IECC reviewed and updated.
Scope and Administration
C101.3 Intent

“effective integration of energy efficiency measures, renewable energy systems, and energy storage systems.”
Building Envelope
Changes do not appear to affect Climate Zone 6.
Ducts are now required to leakage tested in unconditioned and condition spaces [RE112] per RESNET 380.
Ventilation systems that are part of whole house ventilation system are required to be tested for minimum CFM rates [RE130].
Ventilation fan efficacy has increased to meet the current Energy Star standards [RE133].
Energy recovery ventilation or heat recovery ventilation is required in Climate Zones 7 and 8 [RE139]. But not Montana (Zone 6).
Lighting and Power

- Increases the installed lighting efficacy requirements to 65 lumens/watt for lamps (was 60).
- Requires lighting controls to dim or automatically turn lights off [RE7, 145].
- Exterior lighting for multifamily buildings will meet exterior lighting requirements for commercial buildings [RE148].
- Electric Vehicle Ready. Requires EV Capable or Ready charging stations residential buildings [CE217].
Flex Packages

- Requires that those complying with the prescriptive or simulated performance path also comply with one of five Flex Packages containing additional efficiency measures.
- Those complying with the ERI must be 5% more efficient than the ERI score [RE209].
Simulated Performance

Allows on-site renewables, up to 5%, considered as a reduction in energy use in the building.
Energy Rating Index
Compliance Approach

- Increases the efficiency of the ERI values to the IECC 2015 level. In MT those values go from 61 to 54. *Flex Package provisions effectively reduce that value to 51.*
- Places a limitation *(5%)* on the use of renewables that can be counted toward compliance with the IECC [RE 192, 184].
Zero Energy Appendix

Provides a zero energy appendix that requires compliance with an ERI score without considering renewables and then achieving a score of “0” with renewables [RE223].

In Montana:

- 46 Maximum ERI score with renewables
- “0” Maximum ERI score with renewables

(Note: Must also meet the minimum envelope requirements from the 2015 IECC and the mandatory requirements in section R406.)
Envelope Tightness Training

**Commercial Change (CE96)**

Allows testing of dwelling and sleeping unit enclosures to be done in accordance with Standard 380 and tested to a metric of cfm/ft² instead of ACH50. The proposal allows for an air leakage limit not to exceed 0.30 cfm/ft² of enclosure area.