

North Central Texas
Council of Governments
**Special Amendment to the
2024 International Energy Conservation Code
And the Energy Provisions of the
2024 International Residential Code**
North Central Texas Council of Governments Region
(Climate Zone 2 & 3 of the IECC)

The following section of the *2021 International Energy Conservation Code* (IECC) is hereby amended as follows: Standard type is text from the IECC. Underlined type is text inserted. ~~Lined through type is deleted text from IECC.~~ A double (**) asterisk at the beginning of a section identifies an amendment carried over from the 2021 edition of the code and a triple (***) asterisk identifies a new or revised amendment with the 2024 code. Section numbers in parenthesis represent the corresponding numbers of the energy provisions of the *2021 International Residential Code* for parallel amendments.

2024 IECC (Energy Provisions of the 2024 IRC)

*****Section C405.2.10 Simulated building performance compliance. (IRC N1105.2); amend to read as follows:**

Compliance based on *simulated building performance* requires that a *building* comply with the following:

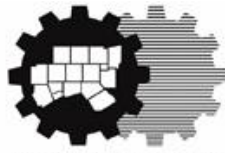
1. The requirements of the sections indicated within Table R405.2.
2. The proposed total *building thermal envelope* thermal conductance (TC) shall be less than or equal to the required total *building thermal envelope* TC using the prescriptive U-factors and F-factors from Table R402.1.2 multiplied by 1.08 in Climate Zones 0, 1, and 2 1.15 in Climate Zones 3 through 8, in accordance with Equation 4-2 and Section R402.1.5. The area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3 shall be 0.30.

Equation 4-2

For Climate Zones 0-2: $TC_{\text{Proposed Design}} \leq 1.08 \times TC_{\text{Prescriptive Reference Design}}$

For Climate Zones 3-8: $TC_{\text{Proposed Design}} \leq 1.15 \times TC_{\text{Prescriptive Reference Design}}$

- ~~3. For each dwelling unit with one or more fuel-burning appliances for space heating, water heating, or both, the annual energy cost of the dwelling unit shall be less than or equal to 80 percent of the annual energy cost of the standard reference design. For all other dwelling units, the annual energy cost of the proposed design shall be less than or equal to 85 percent of the annual energy cost of the standard reference design. For each dwelling unit with greater than 5,000 square feet (465m²) of living space located above grade plane, the annual energy cost of the dwelling unit shall be reduced by an additional 5 percent of~~



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~~the annual energy cost of the standard reference design.~~ The annual energy cost shall be less than or equal to the annual cost of the standard reference design.

Energy prices shall be taken from an approved source, such as the US Energy Information Administration's State Energy Data System prices and expenditures reports. Code officials shall be permitted to require time-of-use pricing in energy cost calculations.

Exceptions:

1. The energy use based on source energy expressed in Btu or Btu per square foot of conditioned floor area shall be permitted to be substituted for the energy cost. The source energy multiplier for electricity shall be 2.51. The source energy multipliers shall be 1.09 for natural gas, 1.15 for propane, 1.19 for fuel oil, and 1.30 for imported liquified natural gas.
2. The energy use based on site energy expressed in Btu or Btu per square foot of conditioned floor area shall be permitted to be substituted for the energy cost.

END