

This document represents the proposal to adopt the 2006 International Energy Conservation Code with amendments, as recommended by the IECC Code Review Committee.

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Amend Section 43-121, Omaha Municipal Code, as follows:

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Sec. 43-121. Building codes adopted.

The following codes are hereby adopted and shall be considered the building codes for the city:

1. The International Building Code, 2006 edition, chapters 2-35 inclusive;
2. The International Residential Code, 2006 edition, Chapters 2-23 inclusive, and Chapter 43;
3. Appendix K, "sound Transmission", of the International Residential Code, 2006 edition; and
4. The International Energy Conservation Code, ~~2000~~2006 edition.

Specifically not adopted are Chapter 1 and Appendix Chapters A, B, C, D, E, F, G, H, I, J, and K of the International Building Code, 2006 edition. Also not adopted are Chapters 1 and 24-42 inclusive and Appendix Chapters A, B, C, D, E, F, G, H, I, J, L, M, N, O, P, and Q of the International Residential Code, 2006 edition.

The International Residential Code shall apply to the construction, alteration, movement, enlargement, replacement, repair and demolition of detached one- and two-family dwellings and townhouses not more than three stories above-grade in height with a separate means of egress and their accessory structures. The International Building Code shall apply to the construction, alteration, enlargement, replacement or repair of all other buildings and structures, and any new construction required as a result of moving any other building.

Sections of these codes are modified, amended or deleted elsewhere in this article. Two copies of the International Building Code, the International Residential Code and the International Energy Conservation Code are to be retained on the file with the city clerk. These codes shall be in effect within the limits of the city and its three-mile jurisdictional limits.

Delete Section 43-128, Omaha Municipal Code, in its entirety and amend to read as follows:

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Sec. 43-128. ~~2000~~ 2006 International Energy Conservation Code.

The ~~2000~~ 2006 International Energy Conservation Code is hereby amended, altered, modified and changed in the following respects:

Amend Section 101.2 as follows:

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101.2 Scope. This code applies to residential and commercial buildings.

Exception: Industrial and commercial processes/uses not designed for or affecting human comfort or human use of the building. This exception shall be limited to the specific energy system(s) that is (are) directly affected by said process or use.

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The code official may allow exemptions from the requirements of this code for valid reasons.

Amend Section 101.4.4 as follows:

- 101.4.4 Change in occupancy or use. Buildings undergoing a change in occupancy or use that would result in an increase in demand for either fossil fuel or electrical energy shall comply with this code. In determining the extent of required work to be done, consideration shall be given to the affect each energy system has on other energy systems of the building. The energy systems of a building are the building envelope, building mechanical, service water heating and electrical power and lighting systems.

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Amend Section 202 by adding the following definitions:

Gross exterior wall area. The normal projection of all above grade exterior walls enclosing conditioned space including basement walls with an average below grade wall area which is less than 50% of the total opaque and non-opaque area of that enclosing side.

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ICC Electrical Code. Whenever reference is made in this code to the ICC Electrical Code, it shall mean Chapter 44 of the Omaha Municipal Code and NFPA 70 – National Electric Code as adopted by the City.

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International Fuel Gas Code. Whenever reference is made in this code to the International Fuel Gas Code, it shall mean NFPA 54 – National Fuel Gas Code as adopted by the City.

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International Plumbing Code. Whenever reference is made in this code to the International Plumbing Code, it shall mean Chapter 49 – Plumbing of the Omaha Municipal Code.

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Window area. The rough opening of all fenestration in walls above grade.

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Amend Section 401.2 as follows:

401.2 Compliance. Projects with window area exceeding 15% of the gross exterior wall area shall be designed using ResCheck 3.6 Release 2. Other Pprojects shall comply with Sections 401, 402.4, 402.5, 402.6, 403, 403.7, 505.1, 505.2, 505.3, 505.4, 505.6, 505.7 (referred to as the mandatory provisions) and either:

1. Sections 402.1 through 402.3 (prescriptive); or
2. Section 404 (performance).

Amend Section 402.4.1 as follows:

402.4.1 Building thermal envelope. The building thermal envelope shall be durably sealed to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. The following shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material:

1. All joints, seams and penetrations.
2. Site-built windows, doors and skylights.
3. Openings between window and door assemblies and their respective jambs and framing.
4. Utility penetrations.
5. Dropped ceilings, soffits or chases adjacent to the thermal envelope.
6. Exterior walls, kKnee walls and ceilings.
7. Floors, wWalls and ceilings separating a garage from conditioned spaces.
8. Behind tubs, and showers and fireplaces on exterior walls.
9. Common walls between dwelling units.
10. Chases for plumbing stacks and furnace flues.

11. All rim joist areas.
12. Cantilevered floors.
13. Attic hatches.
14. Other sources of infiltration.

Amend Section 403.7 as follows:

403.7 Service Water Heating. Service water heating shall comply with Section 504 of the 2003 International Energy Conservation Code.

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Amend Section 404.1 as follows:

404.1 Scope. This section establishes criteria for compliance using simulated energy performance analysis. Such analysis shall include heating, cooling, ~~and~~ service water heating and electrical power and lighting energy only.

Amend Section 404.2 as follows:

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404.2 Mandatory requirements. Compliance with this Section requires that the criteria of Sections 401, 402.4, 402.5, 402.6, ~~and~~ 403 and 405, 505.1, 505.2, 505.3, 505.4, 505.6, and 505.7 be met.

Add a new Section 405 to read as follows:

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SECTION 405
ELECTRICAL POWER AND LIGHTING

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405.1 Electrical energy consumption. In residential buildings having individual dwelling units, provisions shall be made to determine the electrical energy consumed by each tenant by separately metering individual dwelling units.

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405.2 Lighting power budget. The lighting system shall meet the applicable provisions of Section 505.
Exception: Detached one- and two-family dwellings and townhouses and the dwelling portion of Group R-2 and R-4 residential buildings.

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Amend Section 503.2.9 as follows:

503.2.9 HVAC system completion. ~~Prior to the issuance of a certificate of occupancy~~ Upon request of the code official, the design professional shall provide evidence of system completion in accordance with Section 503.2.9.1 through 503.2.9.3.