

ORDINANCE NO. 1744

AN ORDINANCE ADOPTING BY REFERENCE THE COLORADO MODEL ENERGY EFFICIENCY CONSTRUCTION AND RENOVATION STANDARDS FOR NONRESIDENTIAL BUILDINGS OF THE STATE OF COLORADO AND THE COLORADO RECOMMENDED ENERGY CONSERVATION "PERFORMANCE" CODE FOR NEW CONSTRUCTION AND RENOVATION OF RESIDENTIAL BUILDINGS, REPEALING ALL ORDINANCES OF THE CITY OF GRAND JUNCTION, COLORADO, IN CONFLICT OR INCONSISTENT THEREWITH, AND PROVIDING A PENALTY FOR VIOLATION THEREOF.

WHEREAS, Senate Bill No. 432, adopted by the Colorado General Assembly in 1977, requires each municipality which has a building code to adopt energy efficiency construction and renovation standards for nonresidential buildings prior to July 1, 1978, and permits local governments to extend such standards to residential buildings over three stories; and

WHEREAS, the City of Grand Junction has a building code; and

WHEREAS, Senate Bill No. 159, adopted by the Colorado General Assembly in 1977, recognizes the authority of a municipality to adopt and enforce energy efficiency standards for the construction and renovation of residential buildings;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GRAND JUNCTION, COLORADO:

Section 1. Adoption. Pursuant to title 31, article 16, part 2, Colorado Revised Statutes 1973, as amended, there is hereby adopted as the energy efficiency construction and renovation standards for nonresidential buildings and residential buildings over three stories in height of the City of Grand Junction, by reference thereto, Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings, adopted November, 1977, and published March, 1978, by the State of Colorado, Office of State Planning and Budgeting, Board of Energy Efficient Nonresidential Building Standards, 1525 Sherman Street, Denver, Colorado 80203, and as the energy efficiency construction and renovation standards for residential buildings of the City of Grand Junction, by reference thereto, the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings, adopted November, 1977, and published March, 1978, by the State of Colorado, Division of Housing, State Housing Board, 1313 Sherman Street, Denver, Colorado 80203, both to have the same force and effect as if set forth herein in every particular. The subject matter of the adopted standards includes comprehensive provisions and standards regulating energy efficiency in the design, construction, renovation, erection, enlargement, alteration, repair, conversion, occupancy, equipment and maintenance of certain nonresidential and residential buildings and structures for the purpose of protecting the public health, safety and general welfare.

Section 2. Amendments. (1) The Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings is hereby amended as follows:

(a) That Section 103.0 is amended to read:

"103.0. Scope. This Code sets forth minimum requirements for the design of new buildings and structures or portions thereof and additions to existing buildings that comply with occupancy types other than types R-1 three stories or less, R-3, or M, as defined in the Uniform Building Code, 1976 Edition, designed primarily for human occupancy, regulating their exterior envelopes and selection of their HVAC, service water heating, electrical distribution and illuminating systems and equipment for effective use of energy. Buildings shall be designed to comply with the requirements of either Section 4, 5, or 6 of this Code.

(For Residential, also see Appendix B, 103.0.)"

(b) Section 101.1 is deleted in its entirety.

(c) Section 107.0 is deleted in its entirety.

(d) The following new Section 108.0 is added, to read:

"108.0 Administrative and Appeal Procedures. Administrative and appeal procedures set forth in Sections 201, 202 and 204, and Chapter 3 of the Uniform Building Code, (1976 Edition) shall be applicable and followed in the administration of this Code."

(e) Section 302.1 is amended by the inclusion of the following temperatures:

"Winter Design Dry-Bulb 7°

Summer Design Dry-Bulb 94°

Summer Design Wet-Bulb 63°

Degree Days Heating 5600

Degrees North Latitude 39°"

(f) Section 502.2(a), Table 5-1, is amended by the addition of the following specific values:

"Walls, 3 stories or less, Heating,  $U_o$  not exceeding 0.28; Walls, 3 stories or less, Cooling, OTTV not exceeding 33.2; Walls, over 3 stories, Heating,  $U_o$  not exceeding 0.34; Walls, over 3 stories, Cooling OTTV not exceeding 33.2; Roof/Ceiling, Heating or Cooling,  $U_o$  not exceeding 0.08; Floors over unheated spaces, Heating  $U_o$  not exceeding 0.08; Slab on Grade, Heating, minimum R value 6.75; Solar Factor, Cooling 126."

(g) Section 701.0 is amended by the addition of the following:

"SMACNA refers to Sheet Metal and Air Conditioning Contractors National Association.

NESCA refers to National Environmental System Contractors Association.

NWMA refers to National Woodwork Manufacturers Association, Inc."

(2) The Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings is hereby amended as follows:

(a) Appendix B, Section 101.1 is deleted, and is replaced by the following new Section 101.1 to read:

"101.1 Application. The provisions of Sections 1 through 7 of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings, as amended, shall apply to residential buildings except where residential buildings are exempted from such provisions and except where the provisions of this Code differ from the provisions of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings".

(b) Section 2 (#2) (b). Section 502.2(c), Table 5-2, is amended by the addition of the following site specific values:

"Walls, Heating or Cooling, Type A-1 and A-2 Building, U<sub>o</sub> not exceeding 0.20

Roof/Ceiling, Heating or Cooling, Type A-1 and A-2 Buildings, U<sub>o</sub> not exceeding 0.05

Floors over Unheated Spaces, Heating or Cooling, Type A-1 and A-2 Buildings, U<sub>o</sub> not exceeding 0.08

Slab on Grade, Heating, Type A-1 and A-2, minimum R value 4.6."

Section 3. Code Copies. At least three copies of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings, the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings, and of each secondary code adopted therein, all certified by the Mayor and the City Clerk to be true copies, have been and will continue to be on file in the office of the City Clerk, and may be inspected by any interested person between the hours of 8 A.M. and 5 P.M., Monday through Friday, holidays excepted, except that one copy of each code may be kept in the office of the chief enforcement officer instead of the office of the Clerk. The Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings

and the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings will be available for purchase by the public at a moderate price.

Section 4. Penalties. It shall be unlawful for any person, firm or corporation to erect, construct, renovate, enlarge, alter, repair, improve, convert, equip, use, occupy or maintain any building or structure in the City, or cause or permit the same to be done, contrary to or in violation of any of the provisions of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings or the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings.

Any person, firm or corporation violating any of the provisions of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings, or the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings, or of this Ordinance shall be punishable by a fine not exceeding three hundred dollars (\$300) or imprisonment not exceeding ninety (90) days or by both such fine and imprisonment. Each and every day or portion thereof during which any such violation is committed, continued or permitted shall be considered a separate offense.

Section 5. Severability Clause. If any part, section, subsection, sentence, clause or phrase of this Ordinance, or of the Colorado Model Energy Efficiency Construction and Renovation Standards for Nonresidential Buildings or of the Colorado Recommended Energy Conservation "Performance" Code for New Construction and Renovation of Residential Buildings adopted hereby is for any reason held to be invalid, such invalidity shall not affect the validity of the remaining sections of the Ordinance or of said standards; the City Council hereby declares that it would have passed the Ordinance and adopted such standards in each part, section, subsection, sentence, clause or phrase thereof, irrespective of the fact that one or more parts, sections, subsections, sentences, clauses or phrases be declared invalid.

Section 6. Repeal. Any or all ordinances or parts of ordinances of the City of Grand Junction, in conflict or inconsistent herewith, are hereby repealed; provided, however, that such repeal shall not affect any offense committed or act done, any penalty or forfeiture incurred or any contract, right or obligation established prior to the time of such repeal.

PASSED and ADOPTED this 7th day of June, 1978.

Karl M. Johnson

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President of the Council

Attest:

Neva B. Lockhart, CMC

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City Clerk

I HEREBY CERTIFY that the foregoing ordinance, being Ordinance No. 1744, was introduced, read, and ordered published by the City Council of the City of Grand Junction, Colorado, at a regular meeting of said body held on the 3rd day of May, 1978, and that the same was published in The Daily Sentinel, a newspaper published and in general circulation in said City, at least ten days before its final passage.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official Seal of said City this 8th day of June, 1978.

Neva B. Lockhart, CMC

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Neva B. Lockhart  
City Clerk

First Published: May 5, 1978

Published: June 9, 1978

Effective: July 9, 1978