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DGA-90-0002, Redmond
Energy Code

ORIGINAL

ORDINANCE NO. 1549

AN ORDINANCE OF THE CITY OF REDMOND, WASHINGTON, AMENDING SECTION 20E.45.020 OF THE REDMOND MUNICIPAL CODE AND COMMUNITY DEVELOPMENT GUIDE TO SUPPLEMENT THE CITY'S ADOPTION OF THE WASHINGTON STATE ENERGY CODE WITH THE ADOPTION BY REFERENCE OF THE 1987 NORTHWEST ENERGY CODE AND THE DECEMBER 24, 1986 CONVERSION STANDARD EQUIVALENT CODE AMENDMENTS TO THE NORTHWEST ENERGY CODE, WHICH AMENDMENTS SUPPLEMENT THE WASHINGTON STATE ENERGY CODE FOR OTHER FUELS.

WHEREAS, Section 20E.45.020 of the Redmond Municipal Code and Community Development Guide previously adopted by reference the Washington State Energy Code (pursuant to Chapter 51-12 WAC), as adopted by the State Building Code Advisory Council, and

WHEREAS, the adoption of an energy code which provides for the effective use of electrical and other forms of heat in new building construction will provide for a more effective utilization of electrical energy and conserve other energy resources, and

WHEREAS, the City of Redmond Technical Committee, after analyzing the Northwest's decreasing energy surplus caused by population growth and the expanding economy, has recommended to the Planning Commission that the City supplement the adoption of the Washington State Energy Code with the adoption by reference of the 1987 Northwest Energy Code and the December 24, 1986 Conversion Standard Equivalent Code Amendments to the 1987 Northwest Energy Code, which amendments supplement the Washington

State Energy Code for other fuels, to regulate and make the utilization of electrical energy more efficient, and

WHEREAS, on February 14, 1990, the Planning Commission conducted a public hearing for the purpose of determining whether the City should supplement the adoption of the Washington State Energy Code with the adoption by reference of the 1987 Northwest Energy Code and the December 24, 1986 Conversion Standard Equivalent Code Amendments to the 1987 Northwest Energy Code, and at the conclusion of the hearing formulated its recommendations and forwarded them to the City Council, and

WHEREAS, at its regular meeting on February 20, 1990, the City Council, after considering the recommendations of the Planning Commission, decided to amend Section 20E.45.020 of the Redmond Municipal Code and Community Development Guide to contain this revision, now, therefore,

THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON, HEREBY ORDAINS AS FOLLOWS:

Section 1. Amendment. Section 20E.45.020 of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.45.020 Adoption. The Washington State Energy Code, Chapter 51-12 WAC and all amendments thereto, one copy of which is on file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the Energy Code for the City of Redmond subject to all deletions, modifications or amendments of this Chapter and the following qualifications:

- A. The June, 1987 Northwest Energy Code and the December 24, 1986 Conversion Standard Equivalent Code amendments to the 1987

Northwest Energy Code, as published by the Bonneville Power Administration, copies of which are on file with the office of the City Clerk for public inspection, are hereby adopted, except such portions as may be deleted, modified, or amended by provisions of this chapter, for new residential construction which uses electrical space heating, new commercial construction which uses electrical space conditioning, and residential and commercial buildings which are subsequently converted to provide electrical space heating or conditioning.

- B. The Washington State Energy Code shall continue to apply to all non-electrically space-heated residential and non-residential construction provided that:
 - 1. New residential buildings which are space-heated with any form of space heating not covered by the 1987 Northwest Energy Code, shall be designed to achieve energy use equivalent to energy use achieved in typical buildings constructed with:
 - a. Ceiling insulated to a level of R-30 (R value includes insulation only);
 - b. Walls insulated to a level of R-19 (R value includes insulation only, or constructed with two by four members, R-13 insulation batts, R-3.2 sheathing, and other normal assembly components;
 - c. Below grade walls, insulated on the interior side, to a level of R-19 (R value includes insulation only), or if insulated on the exterior side, to a level of R-10;
 - d. Floors over unheated space insulated to a level of R-19 (R value includes insulation only);

- e. Slab on grade floors insulated to a level of R-10 at the perimeter;
- f. Heat pumps with a minimum heating season performance factor (HSPF) of 6.8 or with all other energy sources with a minimum annual fuel utilization efficiency (AFUE) of seventy-eight percent;
- g. Double glazed windows with values not more than U-0.65; when tested per AAMA standard #1503.1-88; and
- h. The maximum glazing area shall be twenty-one percent of the floor area. For purposes of determining equivalent thermal performance, the maximum glazing area shall be fifteen percent of the floor area.

Section 2. Direction to Mayor. The Mayor is authorized to negotiate a grant agreement, pursuant to Bonneville Power Administration Northwest Energy Code Program Solicitation Number DE-PS79-89BP93000, with the Bonneville Power Administration to implement this ordinance, which agreement shall be subject to final approval by the City Council.

Section 3. Direction to City Clerk. Pursuant to RCW 35A.12.140, the City Clerk is hereby directed to authenticate and record, along with this adopting ordinance, a copy of the 1987 Northwest Energy Code and the December 24, 1986 Conversion Standard Equivalent Code Amendments. The City Clerk is further directed to maintain on file in the office of the City Clerk, not less than one copy of said code and amendments for use and examination by the public.

Section 4. Severability. If any section, sentence, clause or phrase of this ordinance should be held to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any other section, sentence, clause or phrase of this ordinance.

Section 5. Effective Date. This ordinance, being an exercise of a power specifically delegated to the City legislative body, is not subject to referendum, and shall take effect five (5) days after passage and publication of the ordinance or a summary thereof consisting of the title; provided that Section 1 shall not become effective until:

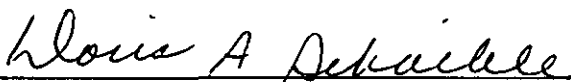
- A. July 1, 1990; or
- B. Upon execution of a grant agreement between the Bonneville Power Administration and the City of Redmond, pursuant to Bonneville Power Administration Northwest Energy Code Program Solicitation Number DE-PS79-89BP93000, and a copy of such agreement has been filed with the City Clerk;

whichever date is earlier.

APPROVED:


MAYOR, DOREEN MARCHIONE

ATTEST/AUTHENTICATED:


CITY CLERK, DORIS SCHAIBLE

APPROVED AS TO FORM:
OFFICE OF THE CITY ATTORNEY:

BY 

FILED WITH THE CITY CLERK: 2-15-90
PASSED BY THE CITY COUNCIL: 2-20-90
PUBLISHED: 2-25-90
EFFECTIVE DATE: 3-02-90
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