

TOWN OF GRANITE FALLS

ORDINANCE NO. 435

AN ORDINANCE OF THE TOWN OF GRANITE FALLS ADOPTING
ENERGY EFFICIENCY AND CONSERVATION STANDARDS FOR
NEW BUILDINGS;
AMENDING GRANITE FALLS MUNICIPAL CODE TITLE 15

WHEREAS, the adoption of energy codes which enable the effective use of electrical and other forms of heat in new building construction will provide for a more effective utilization of these energy resources which would be in the best interest of the public;

WHEREAS, increased energy efficiency will reduce the pressure for future rate increases and will stretch our current clean energy efficient resources into the future.

WHEREAS, the Bonneville Power Administration Solicitation No. DE-PS79-89BPO3999, entitled the Northwest Energy Code Program, includes reimbursement provisions for the administration and enforcement of the Northwest Energy Code regulating the use of electrical energy as well as some reimbursement of additional cost to the builder and consumer for conservation components attributable to compliance with the conservation standards under the energy code.

NOW, THEREFORE, BE IT ORDAINED:

NEW SECTION: Section 1. A new chapter 15.50 is added to Title 15 of the Granite Falls Municipal Code as follows:

Chapter 15.50
ENERGY CODES

Sections:

- 15.50.010 Northwest Energy Code Adopted-Copies on File
- 15.50.020 Requirements for conversion of buildings to electrical space heating or conditioning.
- 15.50.030 Application of Washington State Energy Code.

15.50.010 Northwest Energy Code Adopted - Copies on file. The Northwest Energy Code, 1987 edition as promulgated by the Bonneville Power Administration is hereby adopted and incorporated into and made a part of this chapter by reference. This code shall apply to all new residential construction using electrical space heating and all new nonresidential construction using electrical space conditioning and electrical lighting; PROVIDED, that the

ventilation requirements contained in section 305 at the 1986 Washington State energy code (second edition) shall apply to commercial buildings. One copy of the Northwest Energy Code is on file in the office of the Town Clerk at Granite Falls City Hall.

15.50.020 Requirements for conversion of buildings to electrical space heating or conditioning. The conversion standard equivalent code amendments to the model energy code, December 24, 1986 edition, promulgated by the Bonneville Power Administration and compiled with the Northwest Energy Code, 1987 Edition, as presently existing or as subsequently amended, are hereby adopted and incorporated into and made a part of this chapter by reference. These conversion standards shall apply to any buildings constructed pursuant to a building permit issued on or after the effective date of this chapter, which at the time of initial construction were not required to comply with the standards of the Northwest Energy Code as set forth in GPMC15.50.010, when such buildings are subsequently converted to provided electrical space heating or conditioning.

15.50.030 Application of Washington State energy code. The 1986 Washington State energy code (second edition) shall apply to all non-electrically space-heated residential and nonresidential construction except that new residential buildings, which are space-heated with all other forms of space heating not covered by the Northwest Energy Code, shall be designed to achieve energy use efficiency equivalent to energy use achieved in typical buildings constructed with:

1. Ceilings insulated to a level of R-30 (R value includes insulation only);
2. 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;
3. 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;
4. Floors over unheated space insulated to a level of R-19 (R value includes insulation only);
5. Slab on grade floors insulated to a level of R-10 at the perimeter;
6. 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;

7. Double glazed windows with values not more than U-0.65 when tested per AAMA standard #1503.1 - 88; and

8. A maximum glazing area of twenty-one percent of the floor area or, for purposes of determining equivalent thermal performance, a maximum glazing area of fifteen percent of the floor area.

Section 2. Should any section, paragraph, sentence or word of this Ordinance or the code herein adopted be declared for any reason to be invalid, it is the intent of the Town Council that it would have passed all other portions of this ordinance independent of the elimination herefrom on any section, subsection, paragraph, sentence, or work as may be declared invalid.

Section 3. This Ordinance shall be in full force and effect following approval by the Town Council.

APPROVED BY THE TOWN COUNCIL this 10 day of January, 1990.

Signed by the Mayor this 10 day of January, 1990.

Stephen D. Hill
MAYOR

Attest:

Geroy James
Clerk

APPROVED: January 10, 1990
PASSED: January 10, 1990
PUBLISHED: January 24, 1990
EFFECTIVE: June 1, 1990