

## NEW ENERGY CODE REQUIREMENTS

Effective April 1, 2008 Oregon adopted the 2008 Oregon Residential Specialty Code (ORSC). The biggest change to the code this cycle is in energy conservation. Based on a report titled *Oregon Strategy for Greenhouse Gas Reduction* created by the Governor’s Advisory Group on Global Warming, Governor Kulongoski’s goal was to reduce energy use in new buildings by 15 percent. The updates to the new residential code reflect that goal.

These new requirements apply to residential building permits applied for on or after April 1, 2008. This includes all single family dwellings (new and replacement), duplexes, and multi-family buildings regulated by the Residential Structures Board. This also includes additions and remodels to existing dwellings. There is a 90 day grace period for applying for permits. You must let the building division know whether you are applying under the new (2008) code or the previous (2005) code. Beginning July 1, 2008 all applications for permit must use the new 2008 code.

What does this mean to you as a home owner or contractor? You will have to specify on your plans in sufficient detail the design, construction and selection of heating, ventilating and air-conditioning systems, lighting and piping insulation required to effectively show the conservation of energy within the building you are proposing. You will need to specify the exterior envelope component materials such as R-values of insulating materials. N1101.1 of the ORSC states “All conditioned spaces within residential buildings shall comply with Table N1101.1(1) and one additional measure from Table N1101.1 (2).”

There are a couple of exceptions to this which are applications to existing buildings and additions. For additions, the existing portion need not be required to meet the new code when the addition complies with the requirements of the ORSC Chapter 11. When an addition is less than 30 percent of the existing building heated floor space or 400 square feet in area, whichever is less, the addition shall not be required to comply with Table N1101.1(2). Please see the Building Division for existing buildings, historic buildings, and change of occupancy or use.

<b>Two Parts to New Requirements</b>	
Improved Minimum Building Envelope- Standard Base Case <b>Table N1101.1(1)</b>	Additional Measure(s) Required <b>Table N1101.1(2)</b>
➤ U.0.35 Windows & Sliding Glass Doors	➤ Select from a list of 9 options
➤ R-30 Underfloor Insulation	➤ Option 1 has 3 variations
➤ 50% Permanent Fixtures (lighting) with Hi-Efficiency Lamps	➤ Option 2 has 2 variations
➤ R-10 Underslab-Heated Slabs	➤ Option 4 has 4 distinct options

Please visit the Department of Energy's website to view Tables N1101.1(1) and N1101.1(2) at <http://www.oregon.gov/ENERGY/CONS/Codes/cdpub.shtml> and scroll down to the 2008 residential publications. Publication number 1 has the tables for you to use. The Department of Energy has developed a checklist for your use in selecting the Additional Measure Path for your project. Please see attached. Feel free to contact the Building Division 541-766-6819 with any additional questions.



## **INSTRUCTIONS FOR APPLICANT** (party that is applying for permit)

- 1 Applicant must select the Additional Measure Path from the left-hand column for the project being submitted for building permit. Either circle the path or use a highlighter to mark the path being used for the project.
- 2 Make sure all copies of the plans and specifications contain all applicable Measure specifications as identified in the third row of the Checklist.
- 3 Make sure all copies of the plans and specifications contain all applicable Measure specifications identified in the third row of the Checklist.
- 4 Make sure all copies of the plans contain locations of all *permanently installed* lighting fixtures that are installed inside the building (house, garage, basement, etc) and attached on the outside of building. Identify on all plans those high efficiency fixtures being installed to meet new code requirements.
- 5 When High Efficiency HVAC equipment is used, identify the Make and Model number on plans or specifications to demonstrate compliance.

## **INSTRUCTIONS FOR PLANS EXAMINER** (verifying compliance with new code)

- 1 Verify that the selected Additional Measure Path requirements are specified on the plans and specifications.
- 2 Check the appropriate box for each Measure after verifying that it has been included on the plans and/or specifications.
- 3 Note those measures that do not comply with code and have the applicant re-submit plans and/or specifications that specify code-complying requirements.



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