



Notice of Permanent Rule

October 1, 2011

Amends 2011 Oregon Reach Code

Purpose of the rule:

These rules amend the 2011 Oregon Reach Code by adopting residential provisions of the Reach Code, provisions for vegetative roofs for commercial buildings, and amendments to the minimum boiler efficiencies table.

Citation:

Amend OAR 918-465-0040 & 918-465-0070

These rules become effective October 1, 2011.

Effect of the rule:

The goal of the residential provisions in the Reach Code is to set out economically and technically feasible optional statewide construction standards for increasing the energy efficiency of residential structures. Like the commercial provisions, the residential provisions will help forecast general trends for increasing energy efficiency and provide options for builders.

There are three different methods for building to the Reach Code. The first method is prescriptive based off of the Oregon Residential Specialty Code (ORSC), Chapter 11. The Reach Code provides an updated table for energy conservation and envelope measures for builders to choose from. The second method is a selective measure table where the selective measures add up to a certain number of overall points. Smaller houses are incentivized by being required to achieve fewer points. The third method provides the most flexibility, allowing the builders to model the performance of the structure. The requirement for improvement over the ORSC depends on the size of the house. In addition to choosing one of the three paths all residential reach dwelling must meet "space or chase," requirements. Builders must install or reserve a minimum amount of space for a chase or conduit labeled for future solar installations unless a renewable energy source is installed or the solar resource is insufficient.

The following alternate methods were approved to be used in conjunction with the Reach Code. These include structural sheathing over foam, light straw clay construction, and site built composting toilets.

Contact:

If you have questions or need further information, please contact Policy Analyst Aeron Teverbaugh at 503-373-1354, or Aeron.Teverbaugh@state.or.us.



Secretary of State
Certificate and Order for Filing
PERMANENT ADMINISTRATIVE RULES

I certify that the attached copies* are true, full and correct copies of the PERMANENT Rule(s) adopted upon filing by the

Department of Consumer and Business Services, Building Codes Division	918
Agency and Division	Administrative Rules Chapter Number

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to become effective October 1, 2011. Rulemaking Notice was published in the September 2011 Oregon Bulletin.**

RULE CAPTION

Amends the 2011 Oregon Reach Code

Not more than 15 words that reasonably identify the subject matter of the agency's intended action.

RULEMAKING ACTION

List each rule number separately (000-000-0000)

Secure approval of new rule numbers (Adopted or Renumbered rules) with the Administrative Rules Unit prior to filing.

ADOPT:

AMEND: 918-465-0040 & 918-465-0070

REPEAL:

RENUMBER:

AMEND & RENUMBER:

Stat. Auth.: ORS 183.335, 455.020, 455.210, 455.496 & 455.500

Other Auth.:

Stats. Implemented: ORS 183.335, 455.020, 455.210 & 455.500

RULE SUMMARY

These rules implement a portion of Senate Bill 79 (2009) requiring the director of the Department of Consumer and Business Services to adopt a set of optional construction standards, separate from the state building code, designed to increase the energy efficiency of buildings. The Oregon Reach Code is based on the second public version of the International Green Construction Code (IGCC) with significant Oregon specific amendments including provisions from the 2012 International Energy Conservation Code and ASHRAE 90.1, as the commercial provisions of the Oregon Reach Code (ORC). These rules amend the Oregon Reach Code to include residential provisions. The residential provisions are largely based off the 2011 Oregon Residential Specialty Code with amendments to provide options for selective measures and also a modeling path.

These rules also amend the Oregon Reach Code to establish standards and allow builders to install vegetative roofs on commercial Reach Code buildings. In addition, the proposed rule contains amendments to the minimum boiler efficiencies table, reducing the required efficiencies for gas fueled hot water boilers.

Patrick Allen	
Authorized Signer	Date
Printed name	

**DIVISION 465
REACH CODE**

with 918-460-0030, 918-440-0050, 918-480-0020 and 918-309-0030 through 918-309-0070 as appropriate.

918-465-0040

Amendments to the Oregon Reach Code

The Oregon Reach Code is adopted and amended pursuant to OAR chapter 918, division 8. Amendments to the Oregon Reach Code are placed in this rule, with the section reference, a descriptive caption, and a short explanation of the amendment.

(1) Effective October 1, 2011, the following sections of the Oregon Reach Code are amended to address residential occupancies:

(a) Section 102.4.11 Residential Occupancies

(b) Section 102.4.11.1 Residential Mixed Use Occupancies

(c) Chapter 13 Residential Provisions. Chapter 13 addresses the requirements for residential construction, reconstruction, alterations and repairs proceeding under the Reach Code.

(2) Effective October 1, 2011, the following sections of the Oregon Reach Code are amended to address vegetative roofs:

(a) Table 303.1 Project Electives Checklist. Adding "Roof covering – vegetative roofs."

(b) Section 404.3 Roof Coverings.

(c) Section 404.3.2 Vegetative Roofs. Allowing extensive or intensive vegetative roofs.

(d) Section 405.6 Vegetative Roofs. Addressing standards for installation of vegetative roofs.

(3) Effective October 1, 2011, Table 607.2.4(5) of the Oregon Reach Code is amended to address gas fueled Hot Water Boiler efficiencies:

(a) Minimum efficiency for gas fueled hot water boilers under 300,000 BTUs is 95.5% AFUE.

(b) Minimum efficiency for gas fueled hot water boilers between 300,000 BTUs and 2.5mBTUs is 94%.

[Publications: Publications referenced are available for review at the agency.]

Stat. Auth.: ORS 185.335, 455.020 455.496 & 455.500

Stat. Implemented: ORS 183.335, 455.020 & 455.500

Hist.: BCD 16-2011, f. 6-30-11, cert. ef. 7-1-11; BCD 29-2011, f. 9-30-11, cert. ef. 10-1-11

918-465-0070

Fees for Plan Review and Permits

Fees for plan review and permits issued by the Division for construction, alteration and repair of prefabricated structures and of buildings and other structures as established by these rules and authorized by ORS 455.210, shall be determined in accordance

[ED. NOTE: Publications referenced are available for review from the agency.]

Stat. Auth.: ORS 455.210

Stats. Implemented: ORS 455.210

Hist.: BCD 16-2011, f. 6-30-11, cert. ef. 7-1-11; BCD 29-2011, f. 9-30-11, cert. ef. 10-1-11