

# Washington State Energy Code

## Summary of changes effective July 1, 2007

This handout provides a summary of the prescriptive requirements to meet the Washington State Energy Code for single family residences.

Prescriptive means using a predetermined formula instead of providing a calculated energy analysis.

This information may be found in Table 6-1, Climate Zone I of the Washington State Administrative Code WAC 51-11.

There are two prescriptive options for envelope (roof, exterior walls and floor) compliance:

### Option 1 :

1. Glazing less than 10 percent will be:
  - U.32 Windows
  - Ceiling R-38
  - Vaulted Ceiling R-30
  - Walls R-15
  - Floors R-30
  
2. Glazing more than 10 percent will be:
  - U.35 Windows
  - Ceiling R-38
  - Vaulted Ceiling R-30
  - Walls R-21
  - Floors R-30

### Option 2 :

Walls will be considered R-21 without further documentation if the walls meet one of the following requirements:

- 2x6 framed and insulated with R-21 fiberglass batts
- 2x4 framed and insulated with R-15 fiberglass batts **plus** R-4 foam sheathing
- 2x4 framed and insulated with R-13 fiberglass batts **plus** R-5 foam sheathing

Residences not using one of the prescriptive paths (predetermined methods and materials) may use the component performance approach (uniquely designed energy solution) found in Chapter 5 of the Washington State Energy Code.

### **Whole House Ventilation Code WAC 51-13.**

There are four prescriptive methods to satisfy these requirements which may be found in Chapter 3. The system being used shall have a label affixed to the controls that reads "Whole House Ventilation (see operating instructions)."

Please see Washington State Energy Code WAC 51-11 and Washington State Ventilation and Indoor Air Quality Code WAC 51-13 for complete requirements. Visit [www.energy.wsu.edu/code/](http://www.energy.wsu.edu/code/) for additional information.

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