

## 5. Energy Certificate (Label)

The *Energy Certificate*, often referred to as the *Energy Label*, required by 2012 IECC in Section R401.3 has multiple functions. It increases homeowner awareness. It provides a record of energy related characteristics that may be useful in making retrofit energy decisions. It provides documentation that the house has complied with the major energy efficiency provisions of the energy code. The Montana Department of Environmental Quality (DEQ) provides a sample certificate that they call the *Energy Code Compliance Label*.

Labels are available from the Montana Department of Environmental Quality's Energy Bureau at 1520 East 6th Avenue in Helena, Montana. Blank printable copies are available on the DEQ website at:

[deq.mt.gov/Energy/eec/EnergyCode](http://deq.mt.gov/Energy/eec/EnergyCode)

### Energy Certificates are Mandatory for All Homes Built in Montana

The Montana state energy code is applicable to all residential buildings constructed in Montana with the exception of garages and storage buildings. The energy code is enforced on residential buildings of less than five units located outside local code enforcement jurisdictions through the "dwelling self-certification program." Montana law requires, as an element of the self-certification program, that the builder provide a signed document to the building owner stating that the house complies with the state energy code. The Energy Certificate, if signed by the builder, can serve as the required self-certification document.

### Inspection

The code inspector should verify that the Energy Certificate has been completed and posted on or in the electrical distribution panel as required by the energy code. If elements of the certificate are left blank the inspector should determine if the item is applicable and therefore must be included.

### Code Reference

**R401.3 Certificate (Mandatory).** A permanent certificate shall be completed and posted on or in the electrical distribution panel by the builder or registered design professional. The certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall list the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor) and ducts outside conditioned spaces; U-factors for fenestration and the solar heat gain coefficient (SHGC) of fenestration, and the results from any required duct system and building envelope air leakage testing done on the building. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the types and efficiencies of heating, cooling and service water heating equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater," as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces or electric baseboard heaters.



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2012 IECC Code and Commentary, Copyright August 2012 by the International Energy Codes Council, Inc., Falls Church, Virginia.

2012 International Residential Code, Copyright August 2011 by the International Energy Codes Council, Inc., Falls Church, Virginia.

Energy Code Compliance Label, Montana Department of Environmental Quality's Energy Bureau, 1520 East 6th Avenue in Helena, Montana. You can also call the Energy Bureau at 406-444-0281 for information. Blank printable copies are also available on their website at: deq.mt.gov/Energy/eec/EnergyCode

**ENERGY CODE COMPLIANCE LABEL**

Address: \_\_\_\_\_

Ceiling: Flat R-\_\_\_\_\_  
Vaulted R-\_\_\_\_\_

Walls: Above grade walls R-\_\_\_\_\_  
Basement walls R-\_\_\_\_\_  
Crawlspace walls R-\_\_\_\_\_

Floors: Over unheated spaces R-\_\_\_\_\_  
Perimeter slab for \_\_\_\_\_ feet R-\_\_\_\_\_  
Under slab for \_\_\_\_\_ feet \_\_\_\_\_ full R-\_\_\_\_\_

Exterior doors: R-\_\_\_\_\_

Windows: NFRC unit rating U-\_\_\_\_\_

Water heater: Energy factor (EF) rating \_\_\_\_\_

Heating system: Energy efficiency rating \_\_\_\_\_  
(AFUE for gas; HSPF heat pump)

Cooling system: EER \_\_\_\_\_ SEER \_\_\_\_\_

Heating ducts: Systems sealed: \_\_\_\_\_ Yes per code  
In non-conditioned areas insulated to  
Supply R- \_\_\_\_\_ Return R- \_\_\_\_\_  
Leakage test at rough-in \_\_\_\_\_ or finished \_\_\_\_\_  
Leakage to outside \_\_\_\_\_ or total leakage \_\_\_\_\_  
results \_\_\_\_\_ CFM 25 per 100 sq. ft.  
or N/A \_\_\_\_\_

Air Sealing: Blower door test results \_\_\_\_\_ ACH 50  
Visual inspection: \_\_\_\_\_ Yes per code

Whole house mechanical ventilation: \_\_\_\_\_ Yes per code

Other (i.e., radon mitigation) \_\_\_\_\_

Builder: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

*The builder or representative certifies compliance with  
ARM 24.301.162 and MCA50-60-802, by completing and signing this label.*

*November 2014*

**THIS LABEL MUST BE PERMANENTLY AFFIXED BY HOME BUILDERS TO THE BREAKER PANEL ON ALL NEW RESIDENTIAL BUILDINGS, AS REQUIRED BY SECTION 50-60-803, MONTANA CODE ANNOTATED AND 2012 IECC – SECTION 401.3**