



**Putnam County**  
**Building & Planning Department**  
1 Courthouse Square, 4<sup>th</sup> Floor Room 46  
Greencastle, IN 46135  
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## **2012 Energy Code**

This code affects all homes permitted after April 5, 2012. The builder must choose the Prescriptive, Total UA or Performance Method of compliance. In addition to establishing compliance through one of those methods, the following red items MUST be completed for ALL paths and black items completed for Prescriptive and Total UA paths only. This information provided by the State of Indiana is based on code changes and written interpretations and is subject to change.

### **Main Mandatory Requirements**

- All insulation materials must be marked with R-Value or installer must post a certificate listing all insulation values on conspicuous location on job site----also, one thickness marker in attic for every 300 sf.
- The builder or design professional must complete a certificate that lists the predominant R-Values of insulation for ceilings, walls, foundation, ductwork, U-factors for windows and efficiency levels of HVAC and water heating equipment. This certificate must be attached to the electrical panel.
- Attic hatches from conditioned to unconditioned spaces must be weather stripped and insulated to a level equivalent to the surrounding area. A "dam" or equivalent must prevent attic insulation from spilling into living space.
- Air Leakage----The building thermal envelope shall be sealed to limit infiltration (see air sealing checklist). The checklist must be field verified, by an approved party OR a blower door test can be performed after construction and must demonstrate the air leakage rate is below 7 ACH @50pa.
- All ducts, air handlers and filter boxes must be sealed. The duct tightness must be verified with a ductblaster test. (Not required if all ducts and air handler are located within the conditioned space).
- Supply ducts located in the attic must be insulated to R-8. All other ducts must be insulated to R-6 (Note: Supply ducts insulated to R-6 if using the Performance Path) Exception: Ducts within conditioned space.
- New wood burning MASONRY fireplaces must have gasketed doors and outdoor combustion air.
- All recessed lights must be IC-rated, and the housings must be sealed with gasket or caulk to the drywall.
- At least one thermostat shall be installed that can be programmed. Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.
- Building cavities may not be used as supply ducts.

- Mechanical system piping capable of carrying fluids above 105 F or below 55 F shall be insulated to at least R-3. Also, all circulating hot water system piping shall be insulated to at least R-2 and shall include a switch that can turn off the hot water pump when the system is not in use.
- HVAC equipment must be sized according to ACCA Manual J eighth edition.
- Snow melt Controls-Snow and ice melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50 F and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40 F.
- Pools---Pool heaters shall be equipped with a readily accessible on-off switch to allow shutting off the heater without adjusting the thermostat setting.
- Pool heaters fired by natural gas shall not have continuously burning pilot lights. Time switches that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on swimming pool heaters and pumps.
- Heated Pools shall be equipped with a vapor-retardant pool cover on or at the water surface. Pools heated to more than 90 F shall have a pool cover with a minimum insulation value of R-12.
- Lighting---A minimum of 50 percent of the lamps in permanently installed lighting fixtures shall be high efficacy lamps.

**NOTE: These are just guidelines extracted from the State Code. Please refer to and read the entire code.**

[://www.in.gov/legislative/iac/20120201-IR-675110084FRA.xml](http://www.in.gov/legislative/iac/20120201-IR-675110084FRA.xml)