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.

Main Mandatory Requirements

- All insulation materials must be marked with R-Value, or the installer must post a certificate listing all insulation values.

- 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 and must prevent attic insulation from spilling into living space.

- Air Leakage - The building thermal envelope shall be sealed to limit infiltration.
  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 duct blaster 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 housing 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 tum 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. Timed switches that can automatically turn heaters and pumps off/on according to a preset schedule shall be installed on swimming pool heaters and pumps.

- Heated Pools shall be equipped with a vapor-retardant pool covering 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 guidelines extracted from the Indiana State Residential Code.