

## Comparing IECC to Above-Code Programs

Many states currently use International Energy Conservation Code (IECC) 2009. State-by-state details available at <a href="http://www.energycodes.gov/states">www.energycodes.gov/states</a>	IECC 2009	IECC 2012	ENERGY STAR v3 (Jan 2012)	LEED 2008*	Passive House **
Ceiling insulation	R38	R49	R38	Points	R80 - R100
2 x 6 exterior studs or 1" rigid insulation (R13 + 5)	X	X	X	Points	R40 - R50
Foundation wall insulation R-value (continuous or frame/batt)	10/13	15/19	10/13	Points	R40 - R50
Windows U-value	< 0.35	< 0.32	< 0.30	< 0.35	< 0.15
Ductwork must be sealed and tested (located inside or outside envelope)	Outside	Outside/ Inside	Outside/ Inside	Outside	Inside
ENERGY STAR lighting fixtures	50%	75%	80%	Points	-
Domestic hot water pipe insulated > R3	-	X	-	Points	-
Blower door test for air infiltration (ach@50)	< <b>7.0</b> ach@50	< <b>3.0</b> ach@50	< <b>4.0</b> ach@50	< <b>5.0</b> ach@50	< <b>0.6</b> ach@50
Whole-house mechanical ventilation meeting ASHRAE 62.2	-	X	X	X	HRV / ERV

\* LEED for Homes is proposed to transition to ENERGY STAR ver3 in LEED ver4 due to be balloted in 2013.

\*\* Passive House is performance-based requiring heating demand less than 4.75 kBtu/sq. ft per year; prescriptive options given as a guide only.

**Climate Zone 5** used for all values

Learn more at [www.AllianceES.org](http://www.AllianceES.org)