

A Minimum Feature List for Assured ENERGY STAR Compliance in Ohio

For all homes up to 2500 sf / floor

Ideal for typical Affordable Housing & Habitat for Humanity Homes



EPA ~ Energy Designed Homes – Simplified BOP¹ for Ohio

Window / Door Requirements:

U-0.50	SHGC-0.45	for homes with up to 12% WFA	(Window to above
U-0.38	SHGC-0.45	for homes with up to 15% WFA	grade Floor Area)
R-4.0		(typical insulated metal door)	

Insulation Requirements:

Attic	R-30
Exterior Wall	R-13
Floor/ Unheated	R-19
Basement Wall	R-5 (from top of wall down to footer)
Crawlspace Wall	R-5 (for unvented crawl spaces)
Slab on Grade	R-10 (4' down, or 2' down and 2' under)

Reduce window areas to $\leq 12\%$ of Floor area and you can use U-0.50 windows.

Equipment Requirements:

Furnace	90 AFUE	(Electric furnaces will not pass ES in Ohio)
A/C (if used)	10 SEER	(Heat Pumps can pass ES and also offer AC)
Hot Water	0.61 EF	(gas, direct vent; with PVC, there is no B Vent required)
Programmable Thermostat		

Performance Test Requirements:

Whole house Air Leakage	0.35 ACH natural	(as determined by a
Duct leakage to cold space	$\leq 8\%$ of system flow	blower door test)

Variation:

Basement walls with $\leq 12''$ uninsulated above grade, can still pass with
U-0.38 for Windows for up to 12% WFA or
U-0.36 for Windows for up to 15% WFA homes

¹ BOP – Builder Option Packages offer prescribed compliance opportunities. Values are minimums and can be exceeded at builder discretion and other feature combinations can be used if verified by custom computer modeling. Please call for additional options if this feature list is not possible in your project. (BOPs still require on site inspection for ENERGY STAR certification.) Please call to schedule your audit.