

**DOE Zero Energy Ready Home**

8/22/2016



The DOE Zero Energy Ready Home program will delay implementation of the updated ENERGY STAR window specifications (version 6.0) for Climate Zones 5, 6, 7, 8 and 4 Marine. These updated window specifications had been scheduled to take effect, as a Mandatory provision, for DOE ZERH projects permitted after 8/31/2016.

This delayed implementation is due to limited availability of cost-effective, qualifying window products for DOE ZERH partners across the region covered by these climate zones. The delayed implementation of requiring the updated ENERGY STAR window specifications in these climates will be reviewed periodically by DOE with the intent of re-enacting the provision when cost-effective, qualifying products are widely available. Such re-enactment will be announced with at least a 1 year phase in for DOE ZERH builder partners.

Until such re-enactment is announced, DOE ZERH projects in Climate Zones 5, 6, 7, 8 and 4 Marine are required to use fenestration meeting ENERGY STAR Windows Eligibility Criteria **Version 5.0**. These values, along with the window specs which apply to Climate Zones 1 – 3, are shown in the table below.

Note that the DOE ZERH “Target Home” - the home which establishes the maximum HERS score for the design home to qualify - will continue to be modeled with a window U-value of 0.27 in Climate Zones 5-8 & 4 Marine. *Qualifying projects do not need to meet this window U-value*, but they must achieve a HERS score equal to or less than that of the Target Home which is modeled with this and other specs as defined in Table 2 of the DOE ZERH National Program Requirements.

Table: ENERGY STAR Window Specifications to be used for DOE Zero Energy Ready Home Projects, Effective 8/22/2016

ENERGY STAR Window Specs Required for DOE Zero Energy Ready Home Projects <sup>1</sup>	Hot Climates IECC CZ 1-2		Mixed Climates IECC CZ 3-4 except Marine		Cold Climates IECC CZ 5-8 and 4 Marine <sup>2</sup>	
	U-Value	SHGC	U-value	SHGC	U-Value	SHGC
	0.40	0.25	[CZ 3] 0.30	[CZ 3] 0.25	0.30	Any
			[CZ 4] 0.30	[CZ 4] 0.40	0.31	≥0.35
					0.32	≥0.40

1. DOE Zero Energy Ready Home offers multiple compliance paths including area weighting and allowances for passive solar design. See the National Program Requirements, Exhibit 1 with footnotes, for details.

2. These U & SHGC values are based on the ENERGY STAR v5.0 Window Specifications. DOE ZERH will review the feasibility of adopting ENERGY STAR v6.0 Window Specifications, which entail lower U values, periodically. Any program update to require the v6.0 window specs will be announced with a minimum 1-year phase-in.