

# Draft Criteria for ENERGY STAR Qualified Windows and Sliding Glass Doors

Climate Zone	Phase 1			Phase 2		
	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	Energy Performance	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	Energy Performance
ES5a	≤ 0.30	≤ 0.55	-	-	-	See Chart
ES5	-	-	-			
ES4	-	-	See Chart			
ES3	≤ 0.33	≤ 0.40	-	≤ 0.30	≤ 0.40	-
ES2	≤ 0.35	≤ 0.30	-	≤ 0.30	≤ 0.30	-
ES1	≤ 0.50	≤ 0.25	-	≤ 0.45	≤ 0.20	-

**Window:** An assembled unit consisting of a frame/sash component holding one or more pieces of glazing functioning to admit light and/or air to an enclosure. May be fixed or operable. For ENERGY STAR criteria, this category includes sliding glass doors.

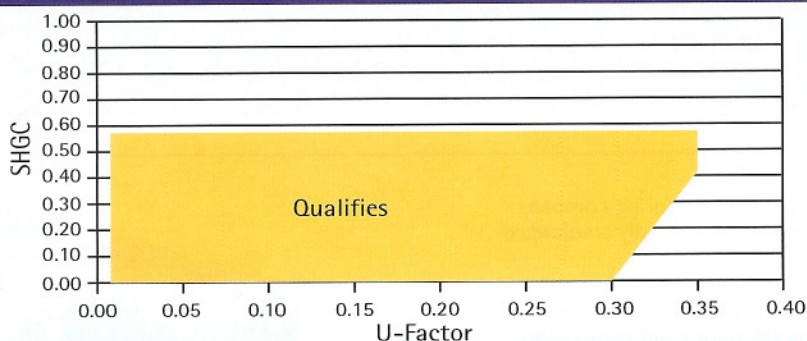
**Sliding glass door:** A door that contains one or more manually operated glass panels that slide horizontally within a common frame.

Products must be NFRC rated, certified, and labeled for U-factor and SHGC. Products that use a sealed IGU must have IGU certification once the NFRC IGU certification program is fully implemented.

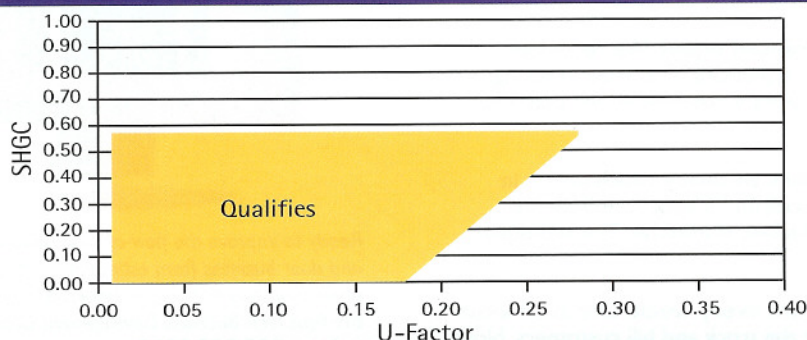
<sup>1</sup> Btu/hr-ft<sup>2</sup>-°F.

<sup>2</sup> Fraction of incident solar radiation.

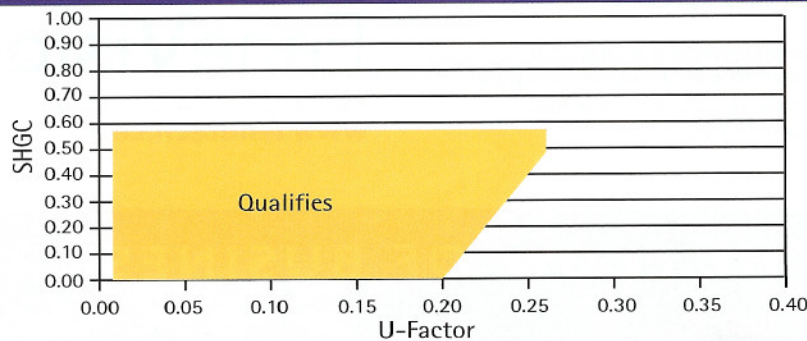
## ENERGY STAR Phase 1 Criteria Pairs of U-Factor and SHGC Qualifying in ES4



## ENERGY STAR Phase 2 Criteria Pairs of U-Factor and SHGC Qualifying in ES5

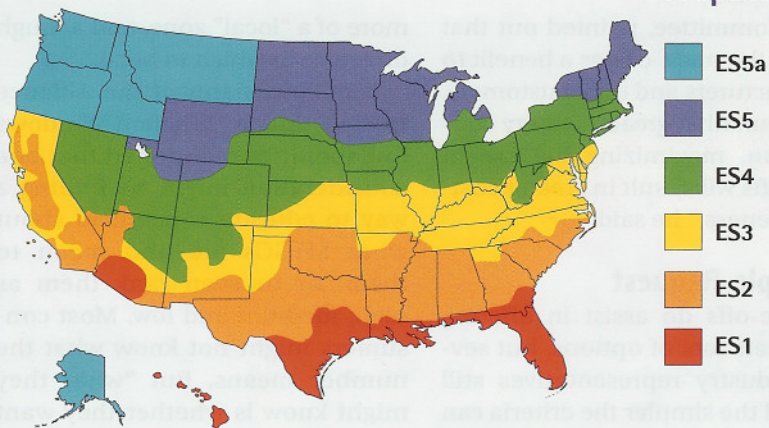


## ENERGY STAR Phase 2 Criteria Pairs of U-Factor and SHGC Qualifying in ES4



# Proposed ENERGY STAR Climate Zone Map (Top) Versus Current ENERGY STAR Climate Zone Map (Bottom)

## Proposed



## Current

