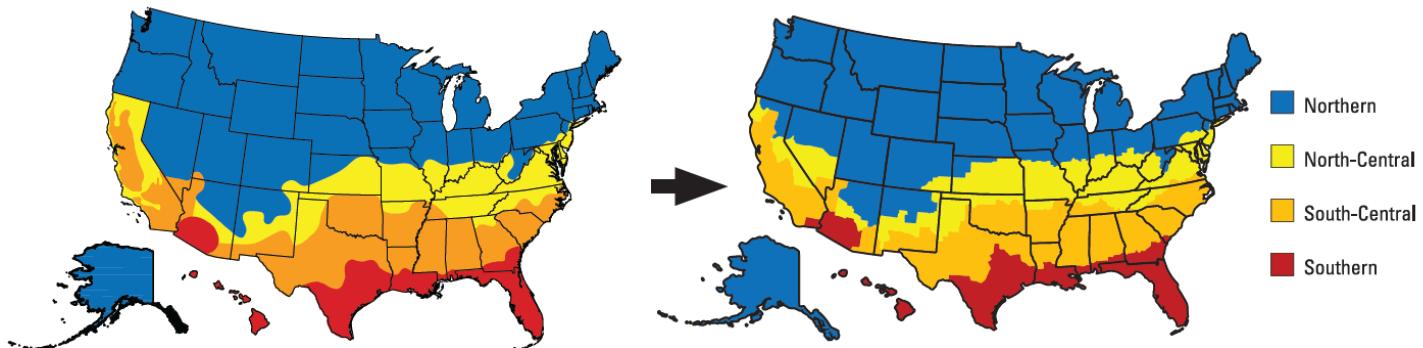


# ENERGY STAR® 7.0



As of October 23, 2023, window and door product requirements to meet ENERGY STAR certification changed. All windows, sliding glass doors, and entry doors (swinging and sliding) must meet specific U-Factor and SHGC criteria as outlined below.

## CLIMATE ZONE MAP



\* Map is segmented at the county level.

## VERSION 6.0 (through 10/22/23)

### Windows and Sliding Glass Doors

Climate Zone	U-Factor	SHGC	
Northern	≤ 0.27	Any	Prescriptive
	= 0.28	≥ 0.32	Equivalent Energy Performance
	= 0.29	≥ 0.37	
	= 0.30	≥ 0.42	
North Central	≤ 0.30	≤ 0.40	
South Central	≤ 0.30	≤ 0.25	
Southern	≤ 0.40	≤ 0.25	

## VERSION 7.0 (effective 10/23/23)

### Windows and Sliding Glass Doors

Climate Zone	U-Factor	SHGC	
Northern	<b>≤ 0.22</b>	<b>≥ 0.17</b>	Prescriptive
	<b>= 0.23</b>		Equivalent Energy Performance
	<b>= 0.24</b>		
	<b>= 0.25</b>		
	<b>= 0.26</b>		
North Central	<b>≤ 0.25</b>	≤ 0.40	
South Central	<b>≤ 0.28</b>	<b>≤ 0.23</b>	
Southern	<b>≤ 0.32</b>	<b>≤ 0.23</b>	

## Entry Doors

Glazing Level	U-Factor	SHGC	
Opaque	≤ 0.17	No Rating	
≤ 1/2 Lite	≤ 0.25	≤ 0.25	
> 1/2 Lite	≤ 0.30	Northern North-Central	≤ 0.40
		Southern South-Central	≤ 0.25

Glazing Level	U-Factor	SHGC	
Opaque	≤ 0.17	No Rating	
≤ 1/2 Lite	<b>≤ 0.23</b>	<b>≤ 0.23</b>	
> 1/2 Lite	<b>≤ 0.26</b>	Northern North-Central	≤ 0.40
		Southern South-Central	<b>≤ 0.23</b>

**BOLD** = change

## 2023 FEDERAL ENERGY EFFICIENT HOME IMPROVEMENT TAX CREDITS

New efficiency tax credits took effect on Jan. 1, 2023, that are in effect until Dec. 31, 2032. The tax credit amount is mostly limited to 30% of the project cost (the previous lifetime cap of \$500 changed to an annual cap of either \$1,100 to \$2,000, depending on the efficiency improvements). This means homeowners can claim credit for more projects, especially if the projects are spread out over multiple years.

To qualify for residential windows and doors:

- Windows/doors must meet ENERGY STAR Most Efficient criteria
- A home must be in the United States and be owned and used by the taxpayer as the principal residence
- The residence must be an existing home, not a newly constructed home
- The taxpayer cannot include labor costs

These Energy Efficiency Home Improvement credits will apply to several products to help homeowners maximize their savings, including windows and exterior doors. **STARTING IN 2023, WINDOWS AND DOORS MUST NOW MEET ENERGY STAR MOST EFFICIENT CRITERIA** (see Most Efficient criteria chart below). For more information on federal energy-efficient tax credits, visit [www.energystar.gov/about/federal\\_tax\\_credits](http://www.energystar.gov/about/federal_tax_credits).

	OLD ENERGY TAX CREDIT	NEW ENERGY TAX CREDIT
Timeframe	Expired December 21, 2022	January 1, 2023, through December 31, 2032
Limits	\$500 lifetime limit for all qualified products	No lifetime limits \$1,100 annual limit for all qualified products
Eligible Amounts	10% of product cost <b>Windows:</b> \$200 lifetime limit for ENERGY STAR 6.0 products <b>Doors:</b> \$500 lifetime limit for ENERGY STAR 6.0 products	30% of product cost <b>Windows:</b> \$600 annual limit for ENERGY STAR Most Efficient products <b>Doors:</b> \$500 annual limit (\$250 per exterior door) for applicable ENERGY STAR requirements



To meet Most Efficient Criteria AND be eligible for federal tax credits:

- 1) Product must be ENERGY STAR certified consistent with applicable ENERGY STAR Partner Commitments. The ENERGY STAR 7.0 Product performance (U-factor and SHGC) must be certified by an EPA-recognized certification body.
- 2) Product must be independently certified to meet the North American Fenestration Standard/Specification (NAFS) with a Performance Grade  $\geq 15$ . Acceptable certification bodies shall be accredited to operate in accordance with ISO/IEC 17065 by an accrediting body that is a signatory to the International Accreditation Forum Multilateral Recognition Agreement. NAFS certification does not require an EPA-recognized certification body.
- 3) Residential windows and sliding glass doors must meet these requirements:



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Climate Zone	U-factor	SHGC
Northern	$\leq 0.20$	$\geq 0.20$
North Central	$\leq 0.20$	$\leq 0.40$
South Central	$\leq 0.20$	$\leq 0.23$
South	$\leq 0.21$ $= 0.22$	$\leq 0.23$ $\leq 0.21$