



**Most Efficient  
2021**  
www.energystar.gov

**Proposed Recognition Criteria  
Residential Windows and  
Sliding Glass Doors (SGD)**

**Scope**

*Included products:* Windows and sliding glass doors (NFRC operator type DDSG) for residential buildings are eligible for ENERGY STAR® Most Efficient 2021 recognition.

*Excluded products:* The following products are not eligible for ENERGY STAR Most Efficient 2021 recognition:

- Windows for commercial buildings
- Doors (except sliding glass doors with NFRC operator type DDSG)
- Skylights
- Tubular Daylighting Devices

**Recognition Criteria**

- 1) Product must be ENERGY STAR certified consistent with applicable ENERGY STAR Partner Commitments and the requirements set forth in the latest version of the ENERGY STAR Program Requirements and Eligibility Criteria for Windows (or Doors for sliding glass doors). Product performance (U-factor and SHGC) must be certified by a certification body recognized by the U.S. Environmental Protection Agency (EPA).
- 2) Products 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) Products must meet the applicable requirements shown in the table below:

<b>Climate Zone</b>	<b>U-factor</b>	<b>SHGC</b>
Northern	$\leq 0.20$	$\geq 0.20$
North-Central	$\leq 0.20$	$\leq 0.40$
South-Central	$\leq 0.20$	$\leq 0.25$
South	$\leq 0.20$	$\leq 0.25$

Note: SHGC = Solar Heat Gain Coefficient. The definition of “residential building” is found in the ENERGY STAR Program Requirements for Windows, Doors, and Skylights.

**Recognition Period**

Upon review and approval of product applications received from ENERGY STAR Partners, EPA will add qualifying models to the ENERGY STAR Most Efficient 2021 product list for windows and sliding glass doors (SGD) from January 1, 2021 through December 31, 2021. The ENERGY STAR Most Efficient 2021 designation may be used in association with window and SGD products recognized during this period for as long as the model remains on the market.