



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF AIR AND RADIATION

Climate Protection Partnership Division
U.S. EPA (Mail Code 6202A)
Washington, DC 20460

April 4, 2018

Dear ENERGY STAR® for Exterior and Interior Storm Windows Stakeholder:

The U.S. Environmental Protection Agency (EPA) welcomes your input on Draft 2 of the ENERGY STAR for exterior and interior storm windows Version 1.0 specification. Written comments should be submitted to EPA at windows@energystar.gov no later than May 4, 2018. EPA will post all comments to the ENERGY STAR Product Development web site, unless the submitter requests otherwise.

EPA appreciates the comments provided by stakeholders on the Draft 1 specification and the Draft 1 Criteria Analysis Report. EPA has made several revisions based on stakeholder comments. These changes are explained in note boxes throughout the Draft 2 specification. Further, EPA's responses to comments that did not result in changes to the Draft 2 specification can be found in the Comment Response document.

Both the Draft 2 proposed specification and EPA's responses to comments received on Draft 1 are available at:

https://www.energystar.gov/products/spec/exterior_and_interior_storm_panels_version_1_0_pd

Key points addressed in Draft 2 include:

- To address stakeholder concerns and confirm the cost-effectiveness of the proposed emissivity level of 0.22, EPA conducted additional analysis on a range of glass options. This analysis is available for review on the specification development web page.
- In addition, EPA analyzed a range of glass options to determine if storm windows with any solar transmittance (Tsol) value should be permitted in the Northern Climate Zone. EPA concluded that storm windows with $Tsol \leq 0.55$ are not cost effective in the Northern Climate Zone, and storm windows with $Tsol > 0.55$ are not cost effective in the Southern and South-Central Climate Zones.
- EPA also analyzed the performance of multiple glass options in the North-Central Climate Zone (IECC Zone 4) and confirmed that storm windows with any Tsol value are cost-effective.
- Based on stakeholder feedback, and upon further review, EPA revised its original proposal to allow interior storm windows with low Tsol glass to be certified in the Southern and South-Central climate zones, as well as allowing any Tsol to be certified in the North-Central Zone.
- In response to stakeholder comments, EPA has provided additional details on the certification and verification process for storm windows.
- After considering the suggested additions and revisions made by stakeholders, EPA has included an updated version of the consumer checklist.

EPA will host a webinar on April 12, 2018 to review the additional analysis done in support of the Draft 2 specification and provide stakeholders with an opportunity to ask clarifying questions. To register for the webinar, visit:

<https://attendee.gotowebinar.com/register/8786975162107616514>.

Stakeholders are invited to provide feedback on the Draft 2 specification and supporting analysis documents. Written comments should be submitted to EPA at windows@energystar.gov no later than May 4, 2018. EPA will post all comments to the ENERGY STAR Storm Window Product Development web site (above).

Revision Schedule

The anticipated revision schedule for the ENERGY STAR Exterior and Interior Storm Window specification is as follows:

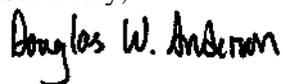
Tentative Timeline	
Draft 2 Comment Period	May 4, 2018
Review Comments, Finalize Criteria	June-July 2018
Publish Final Draft	Q3 2018

You can follow EPA's progress in revising the ENERGY STAR Exterior and Interior Storm Windows specification at:

https://www.energystar.gov/products/spec/exterior_and_interior_storm_panels_version_1_0_pd

EPA greatly appreciates stakeholder interest and participation in this process.

Sincerely,



Douglas W. Anderson
Program Manager, ENERGY STAR for Exterior and Interior Storm Windows
U.S. Environmental Protection Agency