



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

July 16, 2018

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

With this letter, the U.S. Environmental Protection Agency (EPA) is releasing the Final Draft, Version 1.0 ENERGY STAR for Exterior and Interior storm windows specification. Any remaining comments on this Final Draft, Version 1.0 specification may be submitted to EPA at [windows@energystar.gov](mailto:windows@energystar.gov) no later than July 30, 2018. EPA will post all comments to the ENERGY STAR Product Development web site. EPA anticipates releasing the final version of the specification in August of 2018 with an immediate effective date.

EPA thanks everyone who participated in this collaborative process and appreciates the comments provided by stakeholders on the Draft 2 specification and the additional analysis. EPA has made several revisions based on stakeholder comments. These changes are explained in note boxes throughout the Final Draft specification. Further, EPA's responses to comments that did not result in changes to the Final Draft specification can be found in the Comment Response document.

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

[https://www.energystar.gov/products/spec/exterior\\_and\\_interior\\_storm\\_panels\\_version\\_1\\_0\\_pd](https://www.energystar.gov/products/spec/exterior_and_interior_storm_panels_version_1_0_pd)

Key points addressed in Final Draft Version 1.0 Specification include:

- EPA revised the definitions for air leakage, emissivity, and solar transmittance to align with definitions proposed by AERC to ensure consistency on relevant metrics used to measure storm window energy performance.
- EPA conducted additional analysis on homes with east/west and west-dominated orientations in IECC climate zones 4, 5 and 6. EPA found that high solar transmittance (Tsol) products remained cost-effective for homes with east/west and west dominated orientations. The results of this analysis are provided in the Response to Comments on Draft 2 document (page 6).
- EPA conducted additional analysis to evaluate the payback for low-e storm windows over double pane clear glass primary windows. EPA found that although the payback was longer for the products over double pane clear primary windows, the proposed criteria is still cost-effective for the consumer. The results of this analysis are provided in the Response to Comments on Draft 2 document (page 9).
- EPA updated the consumer checklist to address suggestions from stakeholders.

## Schedule

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

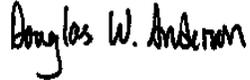
Tentative Timeline	
Final Comments Due	July 30, 2018
Publish Final Specification	August 2018

You can follow EPA's progress on 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](https://www.energystar.gov/products/spec/exterior_and_interior_storm_panels_version_1_0_pd)

Please send a message to [windows@energystar.gov](mailto:windows@energystar.gov) for any storm window related questions or concerns. Thank you for your continued support of the ENERGY STAR program.

Sincerely,



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