



ENERGY STAR® for Windows, Doors, and Skylights

Program Update for ACEEEE/CEE Meeting

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Baltimore, MD

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Program Update Topics

- 1) Storm Window Framework Document Feedback
- 2) ENERGY STAR (ES) Version 6
- 3) Next Steps on ENERGY STAR WDS Criteria
- 4) Most Efficient 2017 for Windows
- 5) Upcoming Program Milestones



ENERGY STAR and Fenestration

- **Developing ES Storm Window Specification**
- **ES Version 6 for Windows, Doors, and Skylights (thoughts on possible Version 7)**
- **Most Efficient 2017 for Windows**



Storm Windows Specification

- EPA issued a Framework Document to explore a possible ES spec. for storm windows in January 2016
 - Comments were received and posted on-line
 - EPA's response to comments was released in August 2016
- Four outstanding issues require further research
 - Product certification options
 - Air leakage testing
 - Low solar transmittance for South-Central and Southern zones
 - Impact of frame on product performance
- EPA plans to release a Criteria Analysis Report and Draft 1 Criteria in Q2 of 2017



ENERGY STAR Version 6

As of Jan 1, 2016:

- All Version 6 criteria are fully implemented
- All new product labeling should reflect the V6 criteria
- Installation instructions must be available for all certified products
- Certified products must have NFRC air leakage ratings, or certification from an approved third-party
- We see more use of 'trade-offs' to meet the Northern Zone criteria
- Specification at: www.energystar.gov/windows



Next Steps on ENERGY STAR WDS Criteria

- EPA plans to publish a Framework Document for Windows, Doors and Skylights (WDS) Version 7.0 in Q3-Q4 of 2017
 - Framework Document will not propose criteria, but will present methodology, sources, and issues for consideration and stakeholder comment
- EPA will conduct technical and market research in 2017
 - Technical advancement and available products
 - ENERGY STAR market penetration
 - Costs and energy savings
 - Updated codes and standards
- If research indicates a revision is needed, Draft 1 of Version 7.0 Criteria would be proposed in Q1-Q2 2018, at the earliest



Most Efficient 2017 for Windows

- ENERGY STAR Most Efficient recognition criteria will remain unchanged in 2017

Climate Zone	U-factor	SHGC
Northern	≤ 0.20	≥ 0.20
North-Central	≤ 0.20	≤ 0.40
South-Central	≤ 0.20	≤ 0.25
Southern	≤ 0.20	≤ 0.25

- Full criteria found at: www.energystar.gov/mostefficient
- EPA is working with DOE to consider criteria for products with automated dynamic glazing



Upcoming Program Milestones

Milestone	Expected Date
Storm Panels Criteria Analysis Report & Draft 1	Q2 2017
WDS Version 7.0 Framework Document	Q3-Q4 2017
EPA Market Research on WDS	2017
Possible WDS Version 7.0 Draft 1	Q1-Q2 2018 (earliest)



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General ENERGY STAR Fenestration Questions

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