



Industrial Fabrics Association International

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Energy Ratings and What They Mean for Business



June 22, 2017

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Why AERC?

Summary

- Expand on prior energy study data
- Strategic alliance with WCMA
- Ground floor engagement
- DOE funding
- Players involved

Benefits

- Pathway to rating shade products
- 3rd party certification
- Strength in numbers
- Consumer outreach

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Why AERC?

Certification

- Complex process
- Dedicated staff
- Serial numbering of units
- Independent audits
- Manufacturers (OEMs) to define

Future

- Phase 2 launch
- Member engagement
- Strength in numbers

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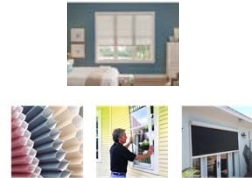
Attachments Energy Rating Council (AERC) Background

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What is AERC?

AERC is a US Department of Energy (DOE)-funded, independent, **public interest** organization whose mission is to **rate, label and certify** the **energy performance of window attachments**.



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Program Background

Summary

- Up to \$1.6 million, 1 award; 4 year funding period through the US Department of Energy (DOE)
- Cooperative Agreement with substantial involvement between the DOE's Office of Energy Efficiency and Renewable Energy (EERE) and the Window Covering Manufacturers Association (WCMA)
- Minimum 35% cost share
- Financial self-sufficiency at the end of four year funding period

Main Objectives

- Develop energy performance-based rating and certification standards and program procedures
- Develop and maintain a database of fenestration attachment product performance

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Project Partners

- > U.S. Department of Energy: Funding and Support
- > Lawrence Berkeley National Laboratory: Technical Support
- > Intertek: Certification Program Support
- > D+R International: Project Management
- > Kellen: General Management
- > AERC Members' In-kind contributions

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AERC Core Program Areas



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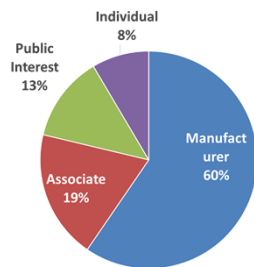
Phased Prioritization

Attachment	Product Category Major Sub-Types				Product Phase
	Interior	Exterior	Fixed	Operable	
Cellular Shades	X			X	1
Slat Shades	X			X	1
Roller Shades	X			X	1
Storm Windows	X	X	X	X	1
Solar Screens		X	X		1
Pleated Shades	X			X	1
Awnings		X	X	X	2
Roller Shutters		X		X	2
Window Quilts	X			X	2
Drapes	X			X	3
Louvered Shutters	X	X		X	3
Roman Shades	X			X	3
Surface Applied Films	X	X	X		If needed
Sheer Shades	X			X	If needed

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47 Members

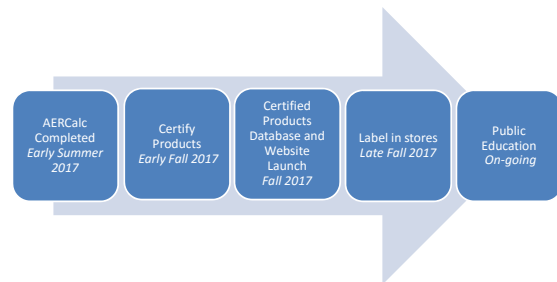


Including PAMA!

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Path Through 2017



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Immediate Next Steps

- > Complete technical and certification standards
- > Complete updates for rating software
- > Finalize label and branding guidelines
- > Finalize fee structure
- > Formalize launch plan
 - > Certification implementation
 - > Simulator training plan
 - > Publicity, education, and outreach plan

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The Next Year

- > Successful Phase 1 Residential Program Launch
- > Add Phase 2 products to program
- > Development of Commercial Program
- > Website, Database and Tool development
- > Financially self-sufficient by Sept 2018
 - > Residential and commercial program revenue
 - > Alternative revenue sources
- > Education and outreach efforts continue
 - > Utility programs and demonstration projects

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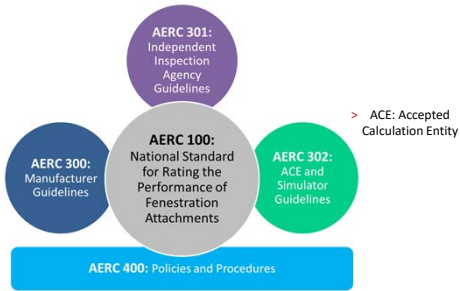


AERC Certification Process

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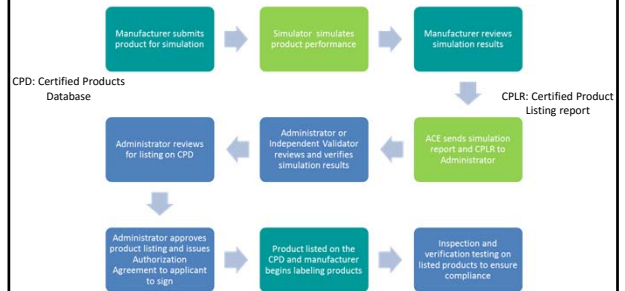
AERC Certifications Standards



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Certification Process



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Certification Process

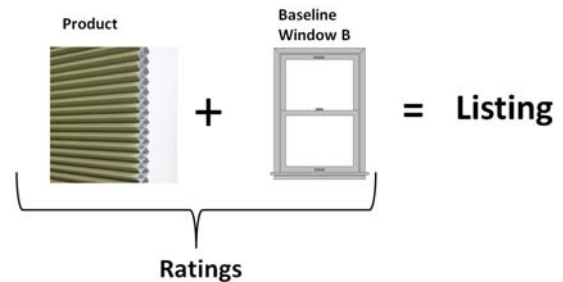
Product:

- > A single assembled window attachment with characteristics (cell size, color, material/fabric, size, configuration etc.) unique from any other product that is created by that product's manufacturer.
- > A variation in one or more of the characteristics listed below for each product type results in a new, distinct product.
- > Refer to AERC 1 for more information on each characteristic.

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What is a Listing?



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Certification Process

CPD product listing:

- > A single line item in the CPD that represents one product manufactured and sold by one manufacturer, with energy performance properties over one baseline window.
- > The same product may have multiple listings if it is rated for multiple baseline windows.
- > Each product listing does not have to be simulated to be certified; rather, a listing may be part of a CPD product grouping and inherit the simulated energy values of another listing because the simulated listing is considered representative of the non-simulated listing.
- > In addition, a listing will exist for a product that is not able to be simulated and is physically tested over a baseline window.

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Ways to Get Involved

- > Become AERC Members
- > Participate on AERC Technical, Certification, and Marketing committees
- > Identify products for inclusion in the program

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Questions?

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Thank You

For feedback or further questions please contact:

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