



ENERGY STAR for Windows, Doors, and Skylights

Criteria Revision Stakeholder Meeting

U.S. Department of Energy

Washington, D.C.

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Purpose of Meeting

- Review the draft criteria
- Obtain stakeholder feedback



Agenda

- Draft Window Criteria: Analysis and Rationale (D&R, LBNL)
 - Scheduled stakeholder comments
 - Develop list of topics stakeholders want to discuss
 - (Lunch)
 - Topical discussion of window proposal
- Draft Door and Skylight Criteria and Rationale (D&R)
 - Scheduled stakeholder comments
 - Open discussion
- DOE closing comments



Motivation for Criteria Change

- Market share exceeds 50% nationally
- 80% to 90% of renovation/replacement sales are ENERGY STAR qualified
- Prevailing building codes at or above ENERGY STAR in 28 states
- ENERGY STAR no longer drives production of more efficient products
- ENERGY STAR no longer identifies truly superior energy performance



Criteria Revision Process

- Announced criteria revision process in Sept. 16, 2007
- Assessed input from 39 manufacturers, stakeholders, industry associations (Sept. 2007 to July 2008)
- Evaluated technological feasibility, cost-effectiveness, energy savings potential, and market impacts (Oct. 2007–July 2008)
- Invited input on windows criteria elements under consideration in Jan. 2008
- Invited input on preliminary swinging doors and skylights criteria in May 2008

Criteria Development Process



	Date (2008)
Public Comment Period (All comments posted to Web site)	8/14 – 9/15
IECC Final Status Hearings	9/14 – 9/23
DOE Reviews Comments and Final 2009 IECC	9/16 – 10/17
Final ENERGY STAR Criteria Published	Fall

Implementation Timeline



Effective Date for Phase 1 Criteria (at least 270 days after final criteria announced)	8/3/09 Earliest possible
Phase 1 Transition Period Ends	11/2/09 Earliest possible
Effective Date for Phase 2 Criteria	1/1/13
Phase 1 Transition Period Ends	4/1/13



Overview of Changes

- Included criteria for two phases
- Revised climate zone map
- Tightened performance levels for windows and skylights
- Established separate criteria for doors
- Added an insulating glass certification requirement



Why Two Phases?

- Phase 1 (2009)
 - To meet or beat 2009 IECC without requiring major product redesign
- Phase 2 (2013)
 - To provide manufacturers with adequate time for new product design, testing and certification, and production optimization
 - Reestablish ENERGY STAR as identifier of truly superior products



Guiding Principles

1. Significant energy savings
2. Equivalent functionality and performance
3. Cost-effective
4. No proprietary technologies
5. Energy savings can be measured
6. Label provides meaningful differentiation



Comments/Questions

- Hold all comments until scheduled time
- Ask only clarifying questions about content during presentations
- Keep comments to five minutes
- Share new comments or points of view
- Agreement and duplicate comments not necessary
- Over 115 people from 80 organizations



Draft Criteria Analysis

- Presented by
 - D&R International, Ltd.
 - Lawrence Berkley National Laboratory (LBNL)