Criteria Revision Stakeholder Meeting
U.S. Department of Energy
Washington, D.C.
August 13, 2008

Richard Karney, PE
ENERGY STAR Products Manager
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)
- 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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date (2008)</th>
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<tbody>
<tr>
<td>Public Comment Period</td>
<td>8/14 – 9/15</td>
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<tr>
<td>(All comments posted to Web site)</td>
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<tr>
<td>IECC Final Status Hearings</td>
<td>9/14 – 9/23</td>
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<tr>
<td>DOE Reviews Comments and Final 2009 IECC</td>
<td>9/16 – 10/17</td>
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<tr>
<td>Final ENERGY STAR Criteria Published</td>
<td>Fall</td>
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# Implementation Timeline

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Effective Date for Phase 1 Criteria (at least 270 days after final criteria announced)</td>
<td>8/3/09 (Earliest possible)</td>
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<tr>
<td>Phase 1 Transition Period Ends</td>
<td>11/2/09 (Earliest possible)</td>
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<tr>
<td>Effective Date for Phase 2 Criteria</td>
<td>1/1/13</td>
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<tr>
<td>Phase 1 Transition Period Ends</td>
<td>4/1/13</td>
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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)