



Setting the Standards for
Home Energy Efficiency

Results of RESNET Board Ballot on Adopting the Proposed Amendment of Correction to Chapter 8's Calculation of Specific Leakage Ares (SLA)

June 6, 2012

Shall the RESNET Board adopt the May 24, 2012 version of the proposed amendment on the correction to Chapter 8's calculation of Specific Leakage Area (Attachment A)?

Yes (15)

No (0)

Abstain (0)

Not Voting (2)

Ben Adams
Dave Bell
Steve Byers
Dennis Creech
Brett Dillon
Charles Eley
Philip Fairey
David Goldstein
Mark Jansen
Lee O'Neal
Jim Petersen
Eurihea Speciale
Dennis Stroer
Daran Wastchak
Barb Yankie

Andy Gordon
Greg Thomas

The amendment was adopted.

Attachment A

Amendment: Correction to Chapter 8 calculation of Specific Leakage Area (SLA)

Proponent:

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Date: 12 January 2012

Applies to:

2006 Mortgage Industry National Home Energy Rating Systems Standards
Section 802.8.2 Other Leakage Metrics

Proposed Amendment

ELA may be calculated by: $ELA = 0.055 \times CFM50$
Where ELA is in square inches

$ACH50 = \text{corrected CFM50} \times 60 / \text{building volume (in cubic feet)}$

Specific Leakage Area may be calculated by:

$SLA = 0.00694 \times ELA / \text{building floor area (square feet)}$

Where ELA (Effective Leakage Area) referenced to 4 Pa is in square inches

Effective Date:

The amendment will go into effect thirty days of the amendment's adoption by the RESNET Board.

Background/Rationale:

The formula for SLA in the November 2011 version of the RESNET Standard is 4 orders of magnitude too large. The multiplier is a unit conversion that is supposed to convert the denominator's units of square feet to square inches, so as to cancel out the units of square inches in the numerator. Since there are 144 square inches per square foot, multiplying the denominator by 144 would convert the overall formula to a unitless parameter. Since $1/144 \approx 0.00694$, the formula's multiplier should be 0.00694.

Attachment A