



Setting the Standards for Home Energy Efficiency

Interpretation: Fixture Factor Determination
Designation: IR 301-2019-033
Approved: October 17, 2023, by RESNET SDC 300
Effective Date: November 17,2023

Reference:

Standard: ANSI/RESNET/ICC 301-2019
Page Number(s): 53
Sections(s): Equation 4.2-14
Table(s):
Relating to: Fixture Factor

Request from:

Name: Sharla Riead
Affiliation: EnergySmart Institute
Address: 11601 Orchard Rd.
City: Kansas City State: MO Zip: 64134
Email: sharla@energysmartinstitute.com

Background Statement: Provided by person requesting the interpretation.

The standard states that the fixture factor, FixF, is = 1.0 if all of the showers in the home are connected to DWHR units and that FixF is = 0.5 if there are 2 or more showers in the home and only 1 shower is connected to a DWHR unit. Ekotrope asks modelers to select the appropriate fixture factor. However, it is unclear what a modeler or HERS Rater should select if there are 2 or more showers in the home and more than one but less than 100% of the showers are connected to a DWHR unit. For example, if there are three showers in the home and two are connected to a DWHR unit, what should the fixture factor be? This scenario does not match either choice.

Proposed Interpretation: Provided by person requesting the interpretation.



Setting the **Standards** for
Home Energy Efficiency

If all the showers in the home are connected to DWHR units, FixF = 1.0, otherwise, if at least one shower is connected to a DWHR unit, FixF = 0.5.

SDC Response:

Is the proposed interpretation correct? Yes No

SDC Comments:

Thank you for the IR. The Committee will consider clarifying language for future versions of Standard 301.