ENERGY STAR Single-Family New Homes Exceptions to ANSI / RESNET / ICC Standard 301 When Calculating Target ERI Values, Version 3 / 3.1

The ENERGY STAR ERI Target Procedures require that the ERI associated with the ENERGY STAR Reference Design Home be calculated using ANSI / RESNET / ICC Standard 301 including all Addenda and Normative Appendices, with new versions and Addenda implemented according to the schedule defined by the Home Certification Organization (HCO) that the home is being certified under, with approved exceptions listed at www.energystar.gov/ERIExceptions. Exhibit 1 is a compilation of those exceptions, organized by HCO.

Exhibit 1: EPA-Approved Exceptions to ANSI / RESNET / ICC Standard 301

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<tr><th>#</th><th>HCO</th><th>Exception</th><th>Approval Date</th></tr>
<tr><td>1</td><td>RESNET</td><td>RESNET Home Energy Ratings conducted on Dwelling Units in multi-family buildings four and five stories above grade that are certified through EPA's ENERGY STAR Single-Family New Homes program shall comply with the provisions of ANSI/RESNET/ICC 301-2014, notwithstanding the limit on stories, and Sections 303.2 and 303.3.</td><td>11/01/19</td></tr>
<tr><td>2</td><td>RESNET</td><td>RESNET Home Energy Ratings conducted on Townhouses and single-family Dwellings four Stories Above Grade Plane in height (e.g., four-Story detached single-family home, four-Story duplex, four-Story Townhouse) shall comply with the provisions of ANSI/RESNET/ICC 301-2014, notwithstanding the limit on stories, and Sections 303.2 and 303.3.</td><td>11/01/19</td></tr>
<tr><td>3</td><td>RESNET</td><td>Where Whole-House Mechanical Ventilation System airflow rate cannot be measured, the Infiltration rate in the Rated Home shall be no less than 0.3 ACH. To determine fan energy in the Rated Home, ventilation fan watts shall be based on the table below for the given system or the value observed in the Rated Home, for the highest airflow setting. Where needed to calculate fan watts, for systems other than Central Fan Integrated Supply (CFIS), the Whole-House Mechanical Ventilation System rate shall be assumed to be equal to Qfan, as calculated in accordance with Section 4.1.2 of ASHRAE Standard 62.2. For CFIS systems, the cfm used to determine fan watts shall be the larger of 400 cfm per 12 kBtu/h cooling capacity or 240 cfm per 12 kBtu/h heating capacity.
Default Ventilation Fan Watts
<table><tr><th>Equipment Type</th><th>W/cfm</th></tr><tr><td>Exhaust ventilation fans</td><td>0.35</td></tr><tr><td>Supply ventilation fans</td><td>0.35</td></tr><tr><td>Balanced ventilation fans</td><td>0.70</td></tr><tr><td>HRV/ERV fans</td><td>1.00</td></tr><tr><td>CFIS fans</td><td>0.50</td></tr><tr><td>Range hoods</td><td>0.70</td></tr></table></td><td>11/01/19</td></tr>
<tr><td>4</td><td>RESNET</td><td>RESNET Home Energy Ratings conducted in Puerto Rico and the US Virgin Islands shall comply with the provisions of ANSI/RESNET/ICC 301, except that Ratings of homes with a permit date prior to January 1, 2022 are permitted to use a default infiltration rate of 10 ACH50 in lieu of conducting an airtightness test in accordance with Standard ANSI/RESNET/ICC 380. In addition, for a home in the Tropical Climate Zone for which its Living Space is not serviced by a space heating mechanical system and not more than one-half of its Living Space is serviced by a space cooling mechanical system, the Conditioned Space Volume shall be defined as the volume of its Living Space and the Conditioned Floor Area shall be defined as the floor area of its Living Space.</td><td>11/01/19</td></tr>
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