



Setting the **Standards** for  
**Home Energy Efficiency**

## **Interpretation on Whole-House Fan Definition and use in Procedures for Certifying Residential Energy Efficiency Tax Credits**

**Designation:** 301-2014-06

**Approved:** April 15, 2016 by SDC 300, Testing, Calculation and Labeling for Home Energy Ratings

**Effective Date:** May 15, 2016

**Proponent:** Chris McTaggart – Building Efficiency Resources

**Applies to:** ANSI/RESNET/ICC 301-2014, Chapter 3, Section 3.2, Whole-House Fan definition; and RESNET Pub 13-001

***Whole-House Fan*** – A forced air system consisting of a fan or blower that exhausts relatively large quantities of indoor air to the outdoors for the purpose of drawing outdoor air into a home through open windows and doors for the purpose of cooling the home.

### **Interpretation:**

- To be considered a whole-house fan by ANSI/RESNET/ICC 301-2014 the fan must provide an average air exchange rate with the outdoors of at least 5 air changes per hour.
- Whole-house fans shall not be included in the tax credit calculations of RESNET Publication 13-001

### **Rationale:**

**Technical criteria for whole-house fan-** While the committee believes that additional work may be needed in the future to clarify the minimum rated features and modeling assumptions associated with whole-house fans, setting a minimum average air exchange rate of 5 air changes per hour is intended to exclude low-airflow fans (e.g., a bath fan) from receiving credit.

**Including whole-house fans in procedures for certifying residential energy efficiency tax credits-** The RESNET procedures for certifying residential energy efficiency tax credits does not currently address the use of whole-house fans. Therefore, credit cannot be taken in the tax credit calculation at this time.

[http://www.resnet.us/professional/standards/RESNET\\_Pub\\_13-001.pdf](http://www.resnet.us/professional/standards/RESNET_Pub_13-001.pdf)