

Kentucky Housing Corporation

Weatherization Program Guidance

September 6, 2019

KHC Program Notice 02-2019

1. **Subject:** Required update of audit libraries

Guidance: Weatherization Assistance Program subgrantees are responsible for updating the approved audit software at least semi-annually. This includes material, labor, and fuel costs.

2. **Subject:** Establishing target blower door cfm⁵⁰ at pre-inspection

Guidance: A best practice for calculating the target blower door cfm is to use 1 cfm per square foot of floor space. Example: A 1000 ft² home would have a targeted blower door of 1000 cfm⁵⁰. However, though 1 cfm per square foot is ideal, at a minimum the targeted blower door cfm should be based on the ASHRAE 62.2-2016 base formula times the N factor.

Example: A 1000 ft², 3-bedroom house would have a target blower door of 1200 cfm⁵⁰.

Formula

$$1000 \times .03 = 30 + 7.5 \times (3+1) = 60$$

$$60 \times N \text{ factor } (20) = \underline{1200 \text{ cfm}^{50}}$$

Breakdown of the formula above:

Step #1: 3 cfm for every 100 ft² of conditioned floor area
 $1000 \text{ ft}^2 \times .03 = 30 \text{ cfm}$

Step #2: 7.5 cfm x (the number of bedrooms + 1) (3 bedrooms + 1 = 4)

Step #3: Add the sum of step #1 (30) and the sum of step #2 (30)
 $30 \text{ cfm} + 30 \text{ cfm} = 60 \text{ cfm}$

Step #4: Multiply the answer from step #3 (60 cfm) by the N factor (20)
 $60 \times 20 = 1200 \text{ cfm}$

Sub-grantees should document thoroughly any conditions that may result in not achieving these targets, such as boxed framing, floors, walls, ceiling, or homes with balloon framing, lathe and plaster interior, etc. Sub-grantee should contact its assigned technical monitor prior to beginning work when such conditions exist.

KHC PN
Guidance Issued
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