# NEAT Library Insulation Setup

Purpose: To establish insulation setup procedures in NEAT Setup Libraries for PY20. This WPN does NOT provide guidance on which insulation should be installed in a specific home or situation; rather, it provides instructions for how to setup an Oklahoma NEAT library with all possible types of allowable insulation that may be considered for installation, and the fields in NEAT where additional insulation can be selected and additional costs included. Standard Work Specifications and any applicable DOE or ODOC regulations, such as Field Guides, must be followed for all insulation installations.

REGULATORY BACKGROUND: 10 CFR 440.21 requires that all Weatherization Program Service Providers use an energy audit modeling software as part of energy audit procedures to determine what energy saving measures can be installed in a home during the course of weatherization work. The U.S. Department of Energy (DOE) has approved Oklahoma to use Weatherization Assistant 8.9 (WA 8.9) for Site Built (NEAT) and Manufactured Housing (MHEA). Proper WA 8.9 use and implementation is dependent upon DOE approved State policies. While ODOC is in the process of developing a comprehensive technical manual for WA 8.9, in order to move forward in PY20, it is necessary to create some interim guidance

PROGRAM GUIDANCE

1. As stated on the list of measures in ODOC WPN 20-2, **attic insulation R49 [Measure #5] must now be turned ON**. A measure is turned on within the setup library by CHECKING the "Active" box. See screen shot below.
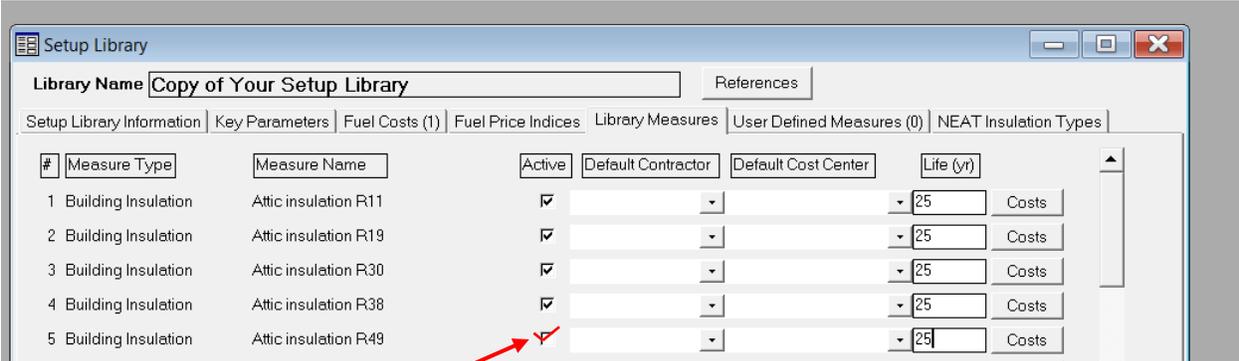
2. All Setup Libraries must include the following setup within the NEAT Insulation Types tab. These insulation types must be entered exactly as shown on the screen shot below. Notice that Blown Fiberglass Wall Insulation must be set at R-4.

3. Setting up the NEAT insulation types as shown in the screen shot above will result in more accurate Recommended Measure reports for site built homes. These insulation types will now appear in the Added Insulation fields underneath the Shell tab, and must be used appropriately. See examples below:
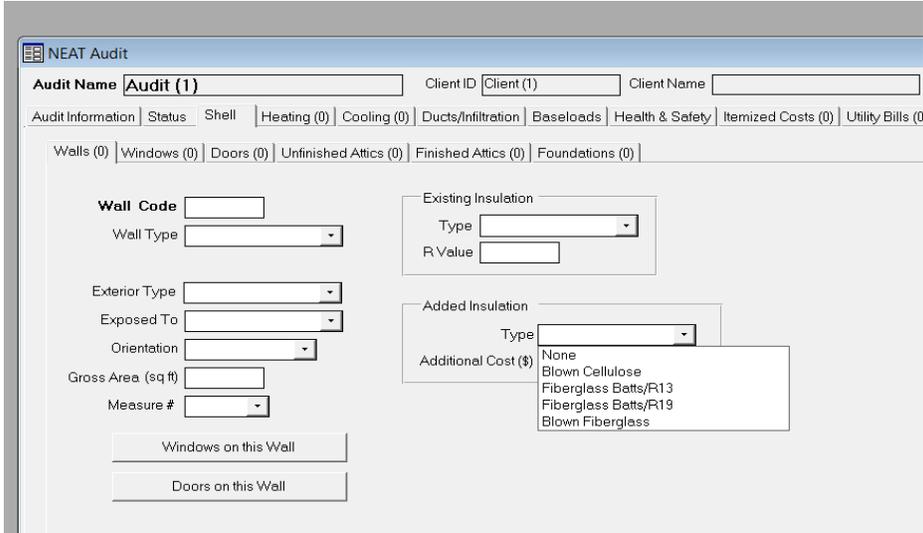
NEAT Audit

Audit Name Audit (1)　　Client ID Client (1)　　Client Name　　Alt. Client ID

Audit Information | Status | Shell | Heating (0) | Cooling (0) | Ducts/Infiltration | Baseloads | Health & Safety | Itemized Costs (0) | Utility Bills (0) | Photos (0) | Meas

Walls (0) | Windows (0) | Doors (0) | Unfinished Attics (0) | Finished Attics (0) | Foundations (0)

Attic Code

Attic Type

Joist Spacing (in)

Area (sq ft)

Roof Color

Existing Insulation

Type

Depth (in)

Added Insulation

Measure #

Type

| None |
| Blown Cellulose |
| Blown Fiberglass |
| EPS Rigid Foam |
| XPS Rigid Foam |
| Fiberglass Batts |
| 2 Part Spray (Frothpak) |

Added R Value
or
Max. Depth (in)

Additional Cost ($)

Foundation Wall

Height (ft)　　　　　Perimeter (ft)　　　　　Added Insulation Type

Height Exposed (%)　　Existing Insulation R Value　　Additional Cost ($)

| None |
| Rigid Foam Board |
| XPS Rigid Foam |
| 2 Part Spray (Frothpak)/F |

FOUNDATION

Sill

Floor Joist Size (in)　　　Added Insulation Type

Perimeter to Insulate (ft)　　Additional Cost ($)

| None |
| Fiberglass Batts |
| EPS Foam Board/R19 |
| XPS Foam Board/R19 |
| 2 Part Spray (Frothpak) |

Foundation Wall

4. Insulation for attic access does not have a separate field for input. There are two different procedures to address this, depending on the situation.
   a. If the attic access lid insulation is the same material as the attic insulation, the cost of the access insulation is included as part of the overall square footage of the attic insulation, and just needs to be detailed in the work order.
   b. If two different insulating materials are necessary (one for the attic access lid and one for the attic), the cost per square foot is likely to be different. In this case, add the cost of the attic access lid insulation as an additional cost under the attic tab (see screen shot below).
   c. See ODOC Energy Audit Policies and Procedures Manual for more information regarding attic accesses.

Existing Insulation
Type
Depth (in)

Added Insulation
Measure #
Type
Added R Value
or
Max. Depth (in)
Additional Cost ($)