NEAT Library Insulation Setup

**Purpose:** To establish insulation setup procedures in NEAT Setup Libraries for PY21. 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.

**PROGRAM GUIDANCE**

1. As stated on the list of measures in ODOC WPN 21-1, **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.

![NEAT Insulation Types Table]

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 Example]
### Attic Code

- Attic Type
- Joist Spacing (in)
- Area (sq ft)
- Roof Color

### Existing Insulation

- Type
- Depth (in)

### Added Insulation

- Measure #
- Type

### Attic Insulation Options
- None
- Blown Cellulose
- Blow Fiberglass
- EPS Rigid Foam
- XPS Rigid Foam
- Fiberglass Batts
- 2 Part Spray (Frothpak)

### Foundation Wall

- Height (ft)
- Perimeter (ft)
- Height Exposed (%)
- Existing Insulation R Value
- Additional Cost ($)
- Added Insulation Type

### Foundation Wall Options
- None
- Rigid Foam Board
- XPS Rigid Foam
- 2 Part Spray (Frothpak)

### Sill

- Floor Joist Size (in)
- Perimeter to Insulate (ft)
- Additional Cost ($)
- Added Insulation Type

### Sill Options
- None
- Fiberglass Batts
- EPS Foam Board/R19
- XPS Foam Board/R19
- 2 Part Spray (Frothpak)
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).