# Energy Audit Software Quiz Answer Key

# Weatherization Energy Auditor – Single Family

DISCLAIMER: This quiz is intended for use as an interim review. Distribute to students after training the associated curriculum chapter, or the next day, to refresh the lesson. Being publicly available renders this specific quiz invalid for use as a formal assessment tool for accreditation.  See Tier 2.14(b) IREC 01022 ISPQ accreditation standard.

Learning Objectives

By attending this session, participants will be able to:

* Recognize Appendix A as a resource for materials selection.
* Describe DOE requirements for energy audit software.
* Locate DOE guidance related to energy audits and priority lists.
* Operate NEAT energy audit software for single family homes.

Questions and Rationale

**Objective:**

* Recognize Appendix A as a resource for materials selection.

**Question:**

1. Materials that are approved for use for the national WAP (not including those approved based on specific state requests) are listed in:

1. 10 CFR 440 – Appendix A.
2. Weatherization Program Notice (WPN) 01-4.
3. Weatherization Assistant – NEAT.

**Rationale:**

**A** is correct. Appendix A lists all materials that are pre-approved for use in WAP.

**B** is incorrect because WPN 01-4 relates to energy audit and priority list approval, not materials.

**C** is incorrect because Weatherization Assistant is a software tool, not a list of materials.

**Objective:**

* Describe DOE requirements for energy audit software.

**Question:**

2. In order to be approved for use in WAP, energy-auditing software must include what functions? *(Check all that apply.)*

|  |  |  |
| --- | --- | --- |
| |  | | --- | |  | | 1. Allow for measure interaction. |
| |  | | --- | |  | | 1. Allow input of incidental repairs. |
| |  | | --- | |  | | 1. List measures in order of cost-effectiveness. |
| |  | | --- | |  | | 1. Base energy savings on climate-specific data. |
| |  | | --- | |  | |  | | 1. Allow users to input costs. 2. Allow health and safety measure selection. |

**Rationale:**

**A** is correct. The software must include measure interactions in the energy savings estimate.

**B** is incorrect. Energy audit software does not need to include an incidental repair category, though many of them do.

**C** is correct because the software must list the measures in order of cost-effectiveness with the most cost-effective measures being listed first.

**D** is correct because the software tools must base calculations on local climate.

**E** is correct because the software must allow for the input of costs for fuel and for installing measures.

**F** is incorrect because the software tools are not required to include health and safety measures, though those should be included on the work order.

**Objective:**

* Locate DOE guidance related to energy audits and priority lists.

**Question:**

4. If you have questions about DOE requirements for audit software and the approval process, where should you look for answers?

1. 10 CFR 44 and WPN 01-4
2. 10 CFR 440 and WPN 11-6
3. Appendix A and WPN 01-4

**Rationale:**

**A** is correct. Both of these documents contain information about the energy audit and priority list approval process and requirements.

**B** is incorrect because WPN 11-6 covers health and safety guidance, not energy audit or priority list approval.

**C** is incorrect because Appendix A is only a list of approved materials and does not address the approval process.