# WAP Health and Safety Guidance 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:

* Locate DOE rules and guidance as they apply to addressing health and safety issues during weatherization.
* Identify how to implement WPN 11-6 in their programs.

Questions and Rationale

**Objective:**

* Locate DOE rules and guidance as they apply to addressing health and safety issues during weatherization

**Question:**

1. While writing up a work order, you are unsure of whether a certain measure qualifies as health and safety, or incidental repair. Where do you look for clarification?

1. WPN 11-6 and the state technical field guide
2. WPN 11-6 and EPA Healthy Indoor Environment Protocols for Home Energy Upgrades
3. WPN 08-4 and the state technical field guide

**Rationale:**

**A** is correct because those are the two best resources for determining how measures may be charged. WPN 11-6 provides the Federal guidance and the state documents provide state-specific guidance.

**B** is incorrect because the EPA protocols do not address how work should be charged—as H&S or incidental repair.

**C** is incorrect because WPN 08-4 does not deal with the broad scope of WAP H&S and incidental repairs.

**Objective:**

* Identify how to implement WPN 11-6 in their programs.

**Question:**

2. The savings-to-investment ratio (SIR) calculations for the unit must include:

1. Costs of health and safety measures.
2. Costs of incidental repairs.
3. Costs of both health and safety measures and incidental repairs.

**Rationale:**

**A** is incorrect because health and safety measures are not required to be included into the SIR calculations.

**B** is correct because incidental repairs are by definition related to the energy efficiency work and must be included in the SIR.

**C** is incorrect because health and safety measures are not required to be included into the SIR calculations.

**Objective:**

* Identify how to implement WPN 11-6 in their programs.

**Question:**

3. You audit a home with a broken window in the children’s bedroom. In the scope of work, you intend to:

1. Call for window replacement and bill it to WAP health & safety. The broken glass is a hazard.
2. Have the pane repaired and pay for it with health and safety. It’s less expensive than replacing the whole window.
3. Repair the window pane as an air sealing measure, charged as an efficiency measure.

**Rationale:**

**A** is incorrect because according to WPN 11-6, windows may not be replaced as a health and safety measure.

**B** is incorrect because according to WPN 11-6, “replacement, repair, or installation of doors, windows or window guards is not an allowable health and safety cost.”

**C** is correct because this measure is allowed as an incidental repair or an energy-efficiency measure when cost-justified by a DOE-approved audit.

**Objective:**

* Identify how to implement WPN 11-6 in their programs.

**Question:**

4. Asbestos occurs in many forms in some homes. In which of the following forms is removal allowed with DOE WAP funds on a case-by-case basis?

1. Asbestos siding on an addition to a home
2. A small patch of vermiculite insulation in the attic
3. Hot water pipes wrapped in asbestos insulation

**Rationale:**

**A** is incorrect because guidance states that the siding may be carefully removed to install measures, but then put back, not replaced with alternative siding.

**B** is incorrect because WPN 11-6 states that removal of asbestos-containing vermiculite is not allowed.

**C** is correct because WPN 11-6 states that removal of asbestos on pipes, furnaces, and other small covered surfaces may be removed as defined in the grantee’s health and safety plan.

**Objective:**

* Identify how to implement WPN 11-6 in their programs.

**Question:**

5. Which of the following best describes the DOE policy regarding mold and moisture?

1. Correction of mold and moisture creating conditions is allowed where necessary in order to weatherize the home.
2. Mold discovered, if covering an area greater than 6 square feet, must be remediated and EPA guidance followed.
3. Mold must be tested to determine the level of the hazard, and then EPA Healthy Indoor Environment Protocols for Home Energy Upgrades implemented.

**Rationale:**

**A** is correct because that is the guidance stated in WPN 11-6.

**B** is incorrect because WPN 11-6 states that mold remediation is not allowed.

**C** is incorrect because WPN 11-6 states that mold testing is not an allowable cost in WAP.

**Objective:**

* Identify how to implement WPN 11-6 in their programs.

**Question:**

6. During the initial audit, you discover an old, unvented kerosene space heater stored in the closet. What do you do about it?

1. Nothing, the unit is not in use and does not effect the weatherization process.
2. Inform the client that the heater must be removed in order for weatherization work to be done to the home.
3. Do not mention the heater to the client, but direct workers to remove the unit before installing any measures, preferably without the client noticing.

**Rationale:**

**A** is incorrect because WPN 11-6 requires that you inform the client of the dangers of unvented space heaters and remove the unit if it does not have an ANSI Z21.11.2 label.

**B** is correct because the unit must be removed before any weatherization work takes place (unless it has the ANSI label). If it is the primary heat source, it may be replaced with an approved heating system.

**C** is incorrect because WPN requires that you inform the client of the dangers of unvented space heaters, and you may not remove an appliance without informing the client. If they will not let you remove the heater, weatherization must be deferred.