# Introduction to Weatherization Quiz

# 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:

* Discuss the historical perspective of the Weatherization Assistance Program.
* Name characteristics of the client base served by the program.
* Recognize that building science guides the selection of measures installed with program dollars.
* Describe the principles of cost-effectiveness and the savings-to-investment ratio.
* Recognize modern weatherization measures.
* Cite communication guidelines for working with clients.
* Describe how energy audits guide weatherization work.

Questions

1. The savings-to-investment ratio (SIR) is calculated by:

1. The cost of a measure divided by program support.
2. The amount of energy savings divided by the cost to install a measure.
3. The amount of energy savings multiplied by cost to install a measure.

2. A feature of the weatherization program that was typically non-existent in the 1980s was:

1. Comprehensive diagnostic technology.
2. Structured training and technical assistance.
3. Volunteer labor used to install measures.

3. Which of the following **BEST** identifies the criteria for selection of measures to be installed in a home with WAP funds?

1. Cost-effectiveness based on building science and energy prices.
2. Availability of fiberglass or cellulose insulation for dense-packing.
3. Skill and resources of local crews/contractors.

4. Which of the following is true about the energy burden of low-income households?

1. The average energy expenditure in low-income households is $552 annually.
2. More than 90% of low-income households have annual incomes less than $22,000.
3. 17% of annual income in low-income households is spent on energy vs. 4% by other households.

5. An example of a relatively new weatherization measure is:

1. A storm window.
2. Blower door guided air sealing.
3. Mobile home skirting.

6. Communication of attitudes and feelings are expressed in a number of ways. Which of the following makes up 55% of a person’s communication?

1. Tone of Voice
2. Words
3. Body language