

# Introduction to Multifamily

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## Weatherization Energy Auditor Multifamily

### Learning Objectives

By attending this session, participants will understand:

- The applicability of single family priority list to small multifamily buildings.
- What multifamily buildings qualify for DOE Weatherization funding.
- Some general information and characteristics of multifamily buildings.
- How a building qualifies for Weatherization funding.
- The relationship of the client, building owner and subgrantee.
- How the client benefits from Weatherization improvements.

### Key Terminology

Community Action Partnerships (CAPs)

Domestic Hot Water (DHW)

Energy Audit using the Queens Information Package (EA-QUIP)

Energy burden

Energy Information Administration (EIA)

Grantee

Heating, Ventilating, and Air Conditioning (HVAC)

Health and Safety (H&S)

Incidental repairs

Indoor Air Quality (IAQ)

Lead Safe Weatherization (LSW)

National Energy Audit Tool (NEAT)

Public Housing Authorities (PHAs)

Savings-to-Investment Ratio (SIR)

Section 8

Subgrantee

Targeted Retrofit Energy Analysis Tool (TREAT)

U.S. Department of Agriculture (USDA)

U.S. Department of Energy (DOE)

U.S. Department of Housing and Urban Development (HUD)

Weatherization Assistance Program (WAP)

## Supplemental Materials

### Handouts & Resources

- Brooks, Andrew. "Energy Savings in a Manhattan Co-op." *Home Energy* July/Aug. 2008. [www.homeenergy.org](http://www.homeenergy.org).
- Harris, Daniel, and Michael Bobker. "The Future of Energy Management." *Home Energy* May/June 2006. [www.homeenergy.org](http://www.homeenergy.org).
- Sample Weatherization Multifamily Contract
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 02-5 Health and Safety Guidance*. July 12, 2002. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 02-6 Weatherization Activities and Federal Lead-Based Paint Regulations* July 12, 2002. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 08-6 Interim Lead Safe Weatherization (LSW) Guidance*. September 22, 2008. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 09-6 Lead Safe Weatherization – Additional Materials and Information*. January 7, 2009. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 10-15 Final Rule on Amending Eligibility Provisions to Multifamily Buildings for the Weatherization Assistance Program*. March 2, 2010. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 10-15A Guidance Regarding Accrual of Benefits to Low-Income Tenants I Multi-Family Buildings Under the Weatherization Assistance Program*. April 8, 2010. [www.waptac.org](http://www.waptac.org).
- U.S. Department of Energy. Weatherization Assistance Program. *WPN 10-17 Guidance on Using Non-Federal Resources as a Buy-Down for Meeting the Savings-to-Investment Ratio for Materials Used in the Weatherization Assistance Program*. July 26, 2010. [www.waptac.org](http://www.waptac.org).
- Weatherization Works Video

## **Class Overview**

- Use the presentation and discussion to refresh students on the basics of the Weatherization Assistance Program (WAP) and to address the general differences between weatherization in multifamily and single family buildings.
- Talk about the vast potential for weatherizing multifamily buildings and the measures that can be cost-effectively implemented.
- Discuss who the client and contact are in a multifamily building and how important it is to maintain proper lines of communication.
- Discuss some of the differences between a multifamily and single family audit, including:
  - Complications in inspecting residences.
  - Complications in collecting metering data.
  - Differences in modeling the building and appropriate modeling tools.
- Break up class time by showing the 2009 Weatherization Works video.
- Illustrate the importance of communication skills:
  - Choose one simple sentence, e.g., “Where did you get that?” and show how it can be said as a compliment or an insult depending on tone and facial expression.
  - Set your pencil on a student’s table and then reach for it aggressively to show the importance of body language.
- Describe weatherization success stories from your own experience to emphasize the value of weatherization done right.