

WEATHERIZATION PROGRAMS: PAST, PRESENT, AND FUTURE



2 HISTORY OF LOW INCOME WEATHERIZATION

- 1972-75 – First weatherization programs – featuring lots of caulk and plastic sheeting over windows – begin in Maine with funding from the Community Services Administration.
- 1976 – Weatherization Assistance Program (WAP) authorized.
- 1992 – WAP evolves into a whole-house program with the use of blower doors and other diagnostic testing – The House is a System.
- 2012 – WAP implements formal technical and training standards based on industry consensus process.

3 WEATHERIZATION ASSISTANCE PROGRAM (WAP)

- Grants provided to states, territories, and tribal governments.
- 720 local nonprofits and governmental agencies, primarily community action agencies, make up the subgrantee network.
- The network has weatherized over 7 million homes since WAP's inception and weatherized over 1 million homes during the four-year ARRA program.
- WAP serves clients with incomes under 200% FPL.
- WAP funding is supplemented by transfers from LIHEAP and utility funds.
- Total funding averages \$1 billion per year and weatherizes over 120,000 homes.

4 WAP PROVIDES THE FOUNDATION OF THE HOME PERFORMANCE INDUSTRY

- The Standard Work Specifications (SWS) are the consensus technical standards for the industry.
- Training Center accreditation through Interstate Renewable Energy Council (IREC).
- Building Performance Institute certifications represent the basic educational standards based on Job Task Analyses: Crew Person; Crew Leader; Energy Auditor; Quality Control Inspector.
- Weatherization Assistant – public sector audit tools for single-family, multifamily, and manufactured homes.

Typical Weatherization Measures Installed



MECHANICAL MEASURES

- Clean, tune, repair, or replace heating and/or cooling systems.
- Install duct and heating pipe insulation.
- Install programmable thermostats and other HVAC controls.
- Repair/replace water heaters.
- Install water heater tank insulation.
- Insulate water heating pipes.
- Install solar water heating systems.
- Install waste heat recovery devices.



HEALTH & SAFETY MEASURES

- Install smoke and carbon monoxide alarms.
- Repair/replace vent systems to ensure combustion gas draft safely outside.
- Install mechanical ventilation to ensure adequate indoor air quality.
- Perform incidental safety repairs when needed.



BUILDING SHELL MEASURES

- Insulation for walls, floors, ceiling, attic, foundation.
- Blower Door Testing.
- Repair/replace primary windows/doors.
- Install storm windows/doors.
- Install window film/solar screens/window louvers and awnings.
- Repair minor roof and wall leaks prior to attic or wall insulation.



ELECTRIC BASELOAD MEASURES

- Install motor controls.
- Install CFLs.
- Replace refrigerators with energy-efficient refrigerators.

6 THANK YOU! QUESTIONS?



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OPAE is a nonprofit organization made up of the 60 agencies providing weatherization and bill payment assistance to low income families throughout Ohio. It advocates for consumer protections and affordable utility rates, and manages over \$15 million in weatherization programs and \$15 million in fuel funds for utilities large and small. It also provide technical assistance to states, utilities and agency networks.