

# Virginia Weatherization Assistance Program

The Weatherization Assistance Program (WAP) operates in all 50 states, the District of Columbia, Native American tribes, and U.S. Territories. In Virginia the program is administered by the Virginia Department of Housing and Community Development (DHCD) located in Richmond, Virginia (<http://www.dhcd.virginia.gov/>).

21 non-profit organizations provide weatherization services in every town, city, and county in Virginia. The following link will help locate the weatherization provider in your area - <http://www.dhcd.virginia.gov/index.php/housing-programs-and-assistance/73-weatherization.html>.



**“Before our house was weatherized, we were struggling to pay off our electricity bill, which had grown to over \$1,000. Thanks to roof and ceiling repairs, improved insulation, and a new heat pump, our electricity bills are down to \$100 or less per month!”**

*-Candy Moore, Pulaski, Virginia*

## 2012 Weatherization Assistance Program Information

### Total Homes Weatherized: 6222

What kinds of homes are being weatherized?

Single Family Unit, Owned	42%
Single Family Unit, Rented	3%
Multi Family (5+ Units/site)	39%
Mobile Home, Owned	14%
Mobile Home, Rented	2%
Shelter	0%

What are the poverty levels of these residents?\*

Under 75% Poverty	33%
75-100%	19%
101-125%	15%
126-150%	11%
Over 150% Poverty	22%

Who lives in these houses?

Elderly-Occupied	40%
Disabled-Occupied	21%
Native American-Occupied	<1%
Children-Occupied less than 18 years	39%

Funding for weatherization services provided by The Department of Energy (DOE), Low-Income Home Energy Assistance Program (LIHEAP), and American Recovery and Reinvestment Act (ARRA).

## Weatherization Crews

Highly trained and professionally certified weatherization personnel use advanced energy audits and sophisticated diagnostic equipment to identify cost-effective energy saving measures for each home. Every program operates under an approved set of installation standards that are based on proven best practice approaches. Every program is responsible for a prescribed quality control protocol and is also monitored by the state office (DHCD). These measures include a computerized comprehensive energy audit, heating and cooling system efficiency and safety inspections, blower door directed air-sealing, duct diagnostics and repair, and advanced insulation applications. In Virginia all crews receive specialized training. A nationally certified Department of Energy approved training center, Energy Solutions Research and Training Center (ESRTC), is located in Christiansburg, VA. ESRTC is a state of the art facility with advanced training props, classrooms, equipment, and an experienced training staff. ESRTC is also accredited by the Interstate Renewable Energy Council (IREC). For more information visit: <http://chptrainingcenter.org>

**“The new heat pump keeps the temperature consistent and the insulation has plugged all the air leaks and can be noticed already. The men who did the work were very courteous and did an excellent job.”**

*-Doris Ott, Forest, VA*

## Virginia Weatherization Impact

- Over the life of the measures, weatherization saves 53 metric tons of carbon emissions per home.\*
- For every \$1 invested in the program,\* Weatherization returns \$2.51 to the household and the local community.
- Increased job training and local employment.
- Reduces utility bill payments thus creating more disposable income in the household.
- Improved housing quality.
- Improved health and safety for occupants of weatherized homes.
- Saves lives on a daily basis.

**“It (weatherization) has made a huge difference in cooling and heating. It has lowered our light bill. We have never seen work get done so fast and very efficient”.**

*-Teaford and Dorothy Martin, Martinsville, VA*

\*ORNL/TM-2010/66, EIA February 2010 Short Term Energy Outlook

\*\*For 2012 poverty level information visit <http://aspe.hhs.gov/poverty/12poverty.shtml>



Weatherization  
Works

# The Weatherization Assistance Program

“America’s largest, oldest, and most comprehensive residential energy efficiency program.”



*Weatherization  
Works*

## Mission

The U.S. Department of Energy’s Weatherization Assistance Program (WAP) increases the energy efficiency of dwellings occupied by low-income Americans, thereby reducing their energy costs, while safeguarding their health and safety. Among low-income households, the program prioritizes those with elderly residents, individuals with disabilities and families with children.



## Operations

Created in 1976, the program utilizes partnerships between state and local level Weatherization agencies to achieve its goals. Weatherization programs operate in all 50 states, the District of Columbia and among Native American tribes. More than 970 local agencies comprise this national network. Services are provided in every city, town and county in America. Since the program’s inception over 7 million homes have been weatherized.

## Weatherization Services

Trained weatherization technicians use advanced energy audits and sophisticated diagnostics equipment to identify cost-effective, energy saving measures for each home. These measures include:

- Heating and Cooling Safety Inspections
- Combustion Appliance Zone Testing
- Whole House Pressure Testing
- Heating and Cooling System Repair and Replacement
- Blower Door Directed Air Sealing
- Duct Diagnostics and Repair
- Advanced Insulation Techniques
- Carbon Monoxide Testing
- Inefficient Appliance Replacement
- Mechanical Ventilation
- Energy Education

## Job Creation and the Economy\*

- 7,000 living wage jobs are supported by Weatherization.
- Workers are highly trained and certified and make up the largest energy efficiency retrofit workforce in the nation.
- Thousands of local, American businesses are supported by the activities of the Weatherization Assistance Program.
- Weatherization provides a marketplace for innovation in the energy upgrade and energy efficiency retrofit industry and supports the growth of American businesses.

## Weatherization Impact\*\*

- Weatherization reduces residential and power plant emissions of carbon dioxide by 2.65 metric tons per year per home.
- Weatherization decreases national energy consumption by the equivalent of 24.1 million barrels of oil annually.
- Over 7.4 million homes weatherized since program’s inception.

## Leadership

The Weatherization Assistance Program (WAP) has pioneered the tools, techniques, diagnostic approaches, and measures that have laid the foundation for the home performance contracting industry and the national energy efficiency retrofit effort. WAP has developed and implemented proven best practices that are tested daily in real world situations. These applications and this technical expertise have provided the necessary leadership required to address the growing need in our country to make our existing homes more energy efficient.

## For More Information

- Department of Energy Office of Weatherization and Intergovernmental Program: <http://www1.eere.energy.gov/wip/>
- Weatherization Assistance Program Technical Assistance Center: <http://www.waptac.org>



The Association of Energy Conservation Professionals (AECP): <http://www.aecpes.org>  
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