



## DOE National & West Virginia Weatherization Assistance Program “A Primer of State and National Data for 2010” v.4-2010

*Created April 2010 as a working discussion & review sheet for the WV Community Action network,  
 to assist in better understanding of program funding & statistics*

### 2009-2010+ Weatherization Funding

	National	WV
2009-10 DOE Regular WAP Annual Appropriations	\$180 million	\$ 4.8 million*
DOE ARRA WAP (4-1-2009 thru 3-31-2012)	\$5 billion	\$37.5 million
DHHR LIHEAP WAP 2009-10		\$ 6.7 million
Low-income households eligible for Weatherization services	38.6 million	285,000 +/-
Anticipated homes weatherized during ARRA period	650,000	3,565 +/-

\*includes the 2009-10 DOE WAP regular annual grant; as well as a one-time 2009 congressional energy crisis supplemental DOE WAP grant which WV will use over the course of two funding cycles/program years, April 1, 2009- June 30, 2011

- ❖ **Americans spent \$231.1 billion** this year on residential energy, as per an Oak Ridge National Laboratory study.
- ❖ **The “energy burden”<sup>\*</sup> nationally for low-income households** in 2009 was 14.4% compared to 3.3% for non-low income households.

\* The term ‘energy burden’ is used to compare a household’s energy bill vs. their ability/income to pay. In addition to residential energy prices, home energy bills are a function of *Energy Use Intensities* (by fuel and end use), Tenure of household-owner or renter, Housing unit size, Household size, Heating fuel mix, plus Heating & Cooling Degree Days by county. Actual home energy bills include all home energy end uses, including heating, cooling, lighting, electric appliances and hot water. Fuels included in the calculation of home energy bills include natural gas, electricity, propane (LPG) and fuel oil. State price data for each fuel and end-use are obtained from the DOE Energy Information Administration (EIA).

- ❖ **The national average low-income household energy expenditure** for 2010 is estimated @ \$1,800.
- ❖ **In 2010, weatherized homes nationally will save \$2.1 billion** for low-income families.
- ❖ **DOE Weatherization energy savings average 35%** of consumption for typical low-income homes.
- ❖ **Weatherization results in \$437 or more** annual household utility bill SAVINGS year after year at current energy prices. Weatherization is an investment in long-term energy savings.
- ❖ **Total U.S. energy consumption in 2008** was 99.3 quads\* of which 21.8% was residential. (\*one quad is a quadrillion Btu or the equivalent of 9 days of US oil consumption) -- American Recovery and Reinvestment Act DOE Weatherization Program grant fund investments are a part of the nation’s strategy to help reduce national residential energy consumption and assist in national strategy climate change emission reductions.
- ❖ **DOE Weatherization reduces residential** and power plant emissions of carbon dioxide by 2.65 metric ton/year per home.
- ❖ **Over the life of the weatherization measures installed**, DOE Low-Income Weatherization saves 53 metric tons of CO2 emissions per house.
- ❖ **Weatherization decreases national energy consumption** by the equivalent of 24.1 million barrels of oil annually.
- ❖ **For every \$1 invested in the program**, DOE Weatherization returns \$2.51\* to the household and society:
  - \$1.80 is returned in reduced energy bills to low-income households
  - \$ 0.71 is returned to ratepayers, households, and communities.
- ❖ **DOE Weatherization provides both direct jobs** and indirect employment nationwide.  
**These direct-hire jobs cannot be exported!**

**DOE Weatherization Works!** How does it work? Weatherization provides an economic boost for individuals and communities; Weatherization creates partnerships that work; Weatherization agencies leverage dollars and multiply results; Weatherization programs are constantly exploring new technologies which often become part of the national home performance industry; Weatherization saves lives; Weatherization fights energy poverty; Weatherization Works for the economy; Weatherization Works for climate change.  
**Weatherization is an investment in America**