



Virginia Weatherization Assistance Program

January 27, 2021



*Weatherization
Works*



Weatherization Assistance Program

- Funded by U.S. Department of Energy (WAP regulations in 10 CFR Part 440)
- Operated in all 50 States, District of Columbia, US Territories and some Native American Tribes
- Utilizes some of the most advanced technologies and diagnostic testing protocols in the energy conservation industry



Weatherization...

- Provides energy conservation measures such as insulation, duct and air sealing, furnace tune-ups, energy saving light bulbs in the homes of low income families at no cost to the residents
- Provides an average cost per unit of \$7669 for PY 2020



Virginia Funding Levels

- 2020 allocation of \$5.5 million Wx dollars from DOE
- Plus 15% of State's Low Income Heating Energy Assistance Program (LIHEAP) allocation (approx. \$13m)
- Total funding of approximately \$18.5 million



Virginia WAP Program

- Administered through 17 local non-profit subgrantee agencies statewide;
- Targeted to households at or below 60% of median income, with priority to the elderly, families with young children and the disabled (i.e, current limit for family of 4 - \$60,286)



Virginia WAP Program

- Available for single family, mobile homes, and multi-family
- Available to owners and renters
- Cannot re-weatherize homes that were weatherized after 9/30/1994 (will change to within 15 years with 2021 allocation)



History of WAP

- Created in 1976 as an energy conservation program for low income households
- Resulted from the energy crisis of the '70s
- Was very limited in scope & average cost per unit





Savings Benefits of WAP

- Low income families will save an average of \$283 annually in energy costs depending on location, housing type and fuel source





Economic Benefits of WAP

- Every \$1 invested in the Program returns \$1.72 in energy benefits and \$2.78 in non-energy





Economic Benefits of WAP

- Approximately 89% of the materials used in weatherization are made in the USA





Health Benefits of WAP

- Improves health and safety conditions, increases comfort for occupants and extends the lifetime of affordable housing.





State Role

- Management, oversight and reporting of DOE and LIHEAP funds in accordance with regulations
- Fiscal and administrative monitoring
- Technical monitoring and inspection of at least 5%-10% of units completed depending on local audit/inspection





Local Subgrantees Provide:

- Applicant Intake and Approval
- Energy Audit and Inspection
- Work Order for each Job
- Installation of Weatherization Measures
- Client Education
- Inspection by Quality Control Inspector



The Energy Audit

- Currently use Hancock Energy Audit Tool (HEAT) for SF or mobile homes
- Determines Savings to Investment Ratio of energy savings measures (must be 1 or more)



Commonly Installed Measures

- Duct sealing
- Air sealing
- Insulation (belly, ceiling/roof cavity, walls)
- Energy efficient light bulbs
- Insulation of hot water heater
- Furnace and boiler tune-up
- Refrigerator replacement (metering req)
- Smoke / CO detectors
- Whole House Ventilation Fans



Health & Safety

- For benefit and durability of weatherization measures installed and safety of residents/crew
 - Minor roof repair (no replacement)
 - Dryer venting/moisture control
 - Fire extinguisher
 - Combustion appliance inspection/safety
 - Personal protection equipment for crew



Weatherization does not:

- Eliminate mold
- Abate lead paint
- Remove asbestos
- Replace roofs
- Provide general home repairs
- Build outside decks or stairs
- Replace ranges (can clean/repair)
- Weatherize new construction





Agencies Educate Clients on:

- Operating new equipment
- Maintaining equipment for maximum efficiency
- Other tips on saving energy in the home





Training

Knowledge
useful abilities...
backbone of co
quired for a tr
today



VA has a highly
trained
Weatherization work
force

- Crew workers
- Crew leaders
- Energy Auditors
- Quality Control
Inspectors



Contact

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