

The Weatherization Assistance Program (WAP)

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About NASCSP



NASCSP provides research, analysis, training and technical assistance to [State CSBG and WAP grantees](#), Community Action Agencies, and State Associations in order to increase their capacity to prevent and reduce poverty and build economic and energy security.

<https://nascsp.org/>



WAP Mission



Department of Energy



Grantees (States, Territories & Tribes)



Local Providers (Sub-grantees)



Low Income Households

Mission Statement in WAP Statute: “To reduce energy costs for low-income families, particularly for the elderly, people with disabilities, and children, by improving the energy efficiency of their homes while ensuring their health and safety.”

40+ Years of Success

- Operating since 1976
- Largest energy retrofit program in the nation- All 50 states, DC, territories
 - Over 900 local agencies
- Serving up to 200% of poverty level
- Over 7.4 million homes weatherized



2015 Energy Information Administration Residential Energy Consumption Survey (RECS)

- ▶ 25.3 million homes reporting reducing or forgoing food or medicine to pay energy costs
- ▶ 12.8 million homes reported leaving home at unhealthy temperature
- ▶ 6.1 homes reported being unable to use heating equipment & 6.9 million unable to use cooling equipment

Nine people get CO poisoning after charcoal grill used to heat Wheeling home



Christopher Placek



625 followers

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WEATHERIZATION | WHAT WE DO



MECHANICAL MEASURES

- Clean, tune, repair, or replace heating and/or cooling systems.
- Install duct and heating pipe insulation.
- Repair leaks in heating/cooling ducts.
- Install programmable thermostats.
- Repair/replace water heaters.
- Install water heater tank insulation.
- Insulate water heating pipes.



BUILDING SHELL MEASURES

- Install insulation where needed.
- Perform air sealing.
- Repair/replace windows/doors.
- Install window film, awnings and solar screens.
- Repair minor roof and wall leaks prior to attic or wall insulation.



HEALTH & SAFETY MEASURES

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



ELECTRIC & WATER MEASURES

- Install efficient light sources.
- Install low-flow showerheads.
- Replace inefficient refrigerators with energy-efficient models.



CLIENT EDUCATION ACTIVITIES

- Educate on potential household hazards such as carbon monoxide, mold & moisture, fire, indoor air pollutants, lead paint and radon.
- Demonstrate the key functions of any new mechanical equipment or appliances.
- Discuss the benefits of using energy-efficient products.

- ▶ \$283 average annual savings
- ▶ 18% annual heating consumption savings
- ▶ 7% annual electric consumption savings
- ▶ Every \$1 invested in weatherization generates \$1.72 in energy benefits and \$2.78 in non-energy benefits

ENERGY COST SAVINGS



WATER COST SAVINGS

LOWER UTILITY BILLS



LOWER OUT OF POCKET MEDICAL EXPENSES

FEWER MISSED DAYS OF WORK



MORE DISPOSABLE INCOME



Health Benefits of Weatherization

- Decreased out of- pocket medical expenses by an average of \$514.
- Total health and household-related benefits for each unit is \$14,148

After Weatherization...

Residents with asthma reported fewer hospitalizations and ER visits



Residents experienced fewer "bad" physical and mental health days

Children in the household missed fewer days of school



Household members reported fewer allergy and cold symptoms

WEATHERIZATION | WORKFORCE DEVELOPMENT

THE U.S. DEPARTMENT OF ENERGY IS INVESTED IN CREATING THE **MOST QUALIFIED ENERGY EFFICIENCY WORKFORCE** IN THE COUNTRY.

100%

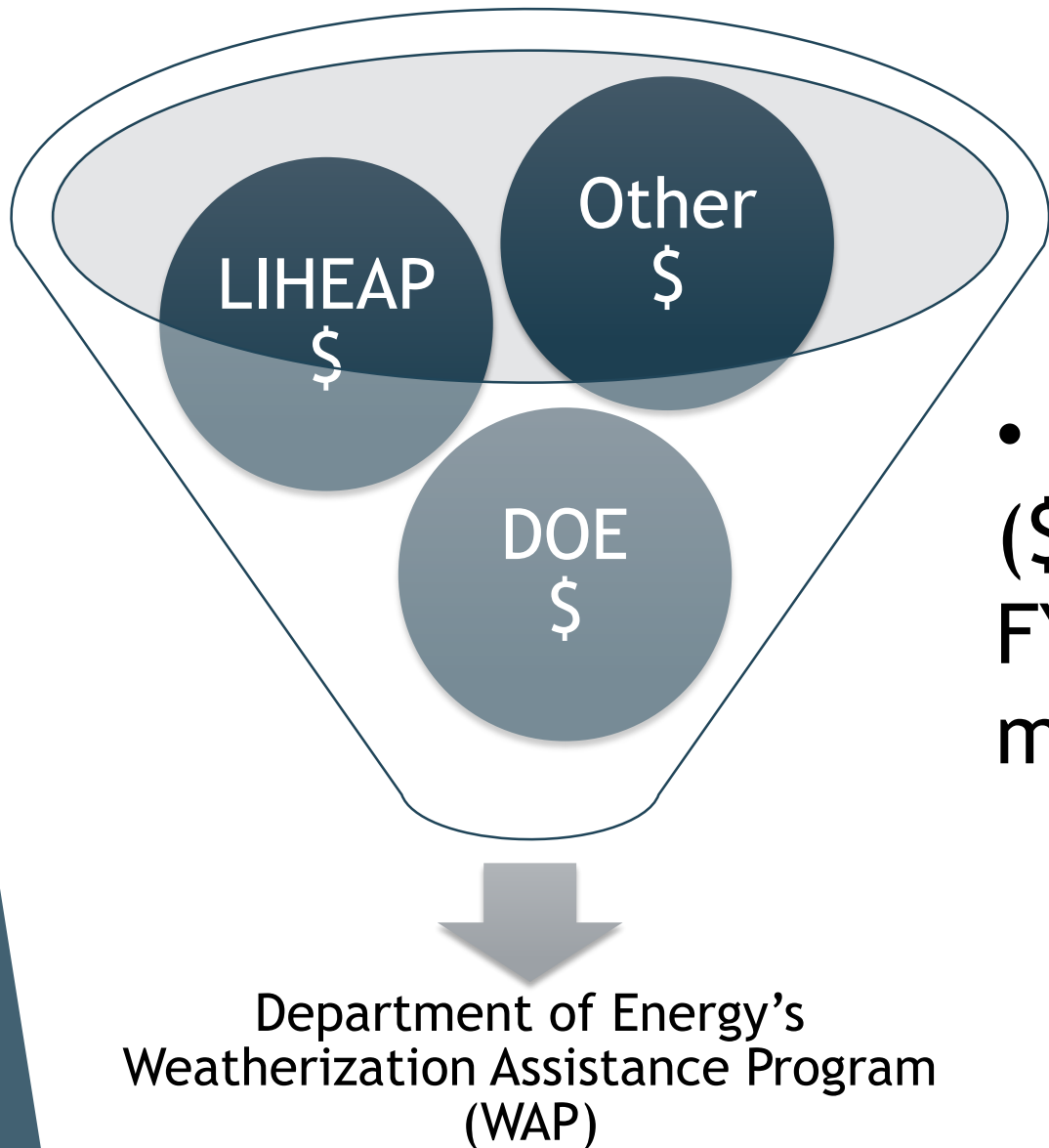
OF **WEATHERIZATION
ASSISTANCE PROGRAM
(WAP) HOME INSPECTIONS**
MUST BE COMPLETED BY A
**CERTIFIED QUALITY
CONTROL INSPECTOR.**

CERTIFIED INSPECTORS RECEIVE TRAINING BY **ACCREDITED TRAINING CENTERS**. THESE CENTERS OFFER TRAININGS TO PRIVATE CONTRACTORS, BUILDING CODE OFFICIALS & HOUSING SPECIALISTS.

USE OF **DOE'S STANDARDIZED WORK SPECIFICATIONS (SWS)** ENSURES THE HIGHEST QUALITY OF WORK IN THE WEATHERIZATION & HOME PERFORMANCE INDUSTRY.

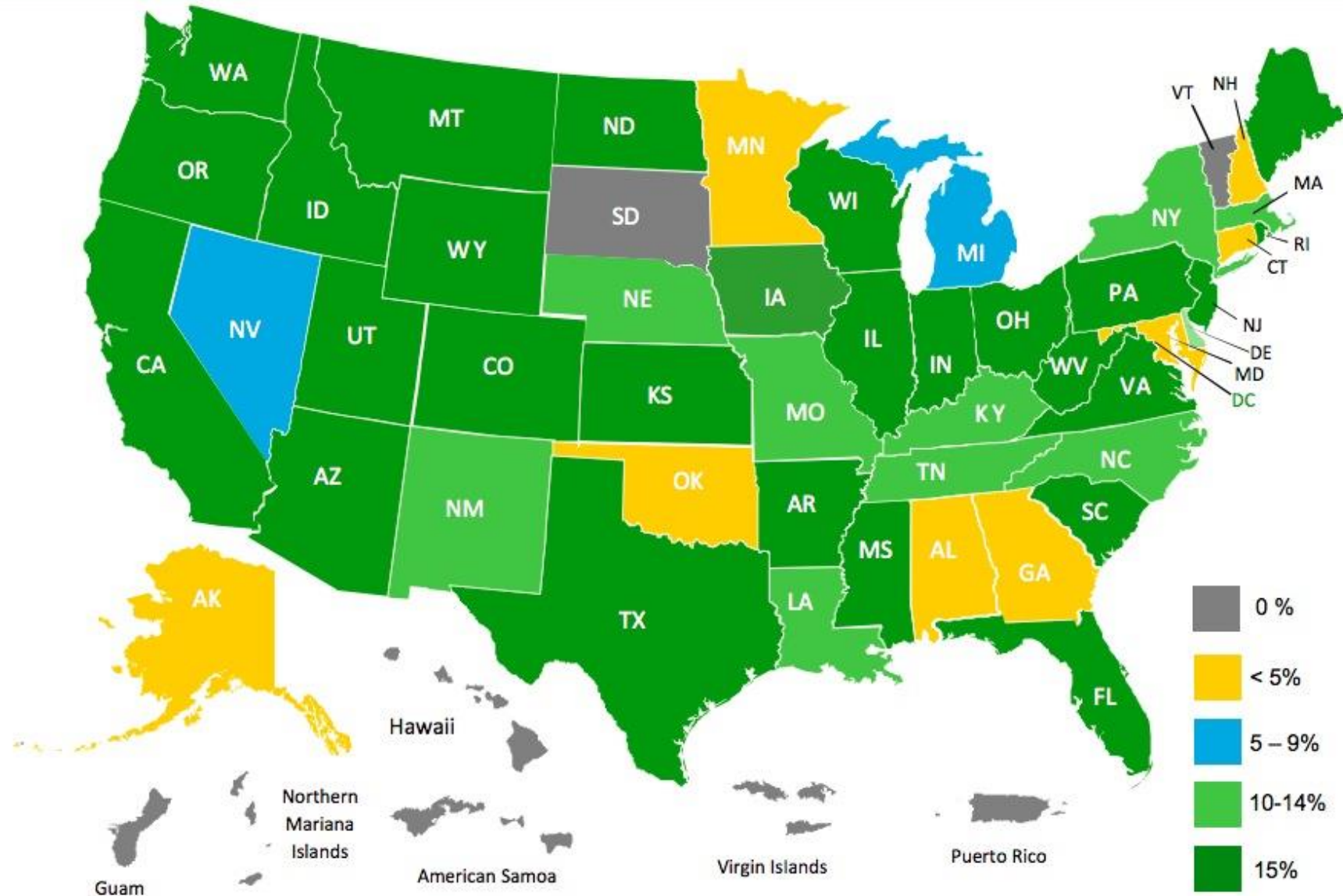


2019 Funding



- **DOE-** \$257 million (\$6 million increase from FY 2018 level of \$251 million)
 - \$3 million TTA for DOE HQ

Percentage of LIHEAP Funds Transferred (2016)



Other/Leveraged Funds

Utility Funds

- From Ratepayers into Public Benefit Fund
- May result from utility rate case
- Run through State WAP Office or Direct Contract w/ Subgrantee or Association

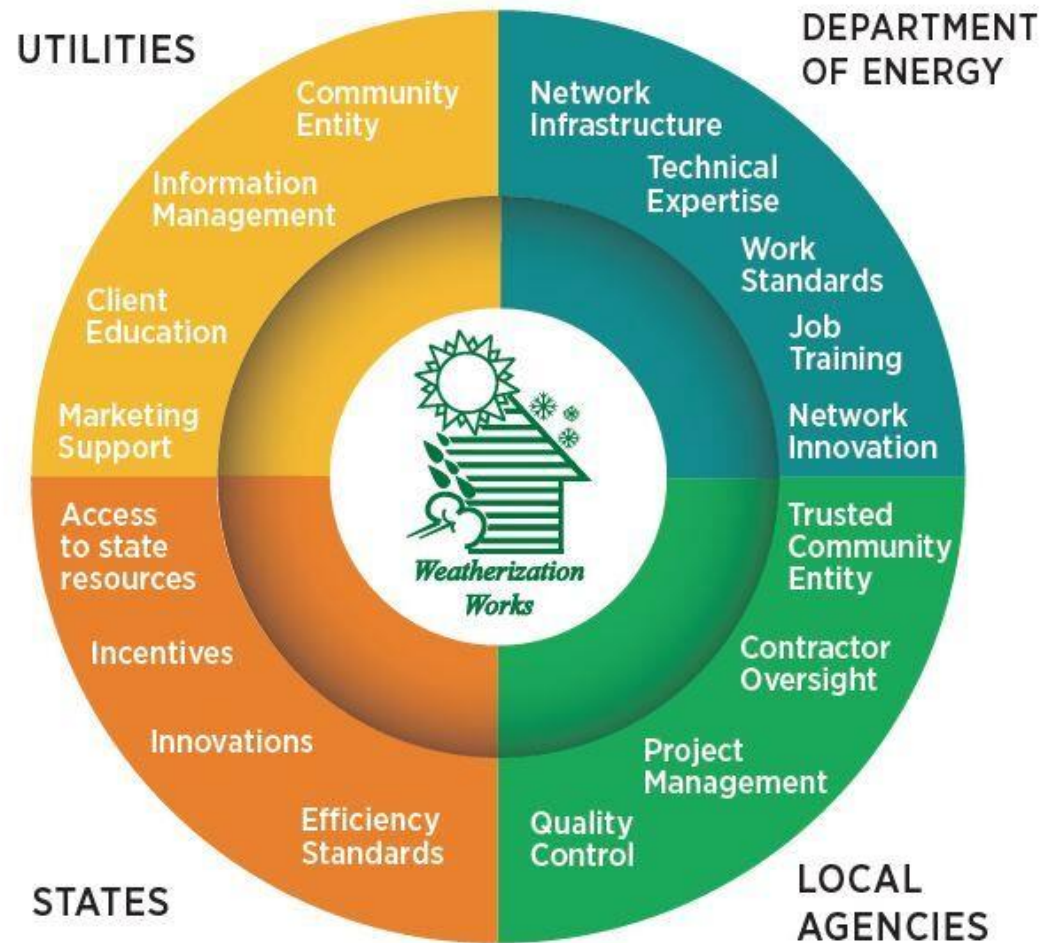
State Funds

- Fees or Taxes that went into state revenue
- Designated for housing/energy efficiency
- Set Aside for Low Income initiatives

Other Non-Federal Funds

- Hospitals or Health Insurance Companies
- Foundations
- Others

WHEN UTILITY & STATE RESOURCES
ARE PARTNERED WITH THE
WEATHERIZATION NETWORK,
THE LARGER THE IMPACT





"I used to use the stove to keep the house warm, it wasn't really comfortable in any way."

-Claudette, Colorado



"You could trust them and we were very impressed with them. By the time they left it felt like we had an extended family"

-Al and Loretta, Indiana



"The weatherization program was life-changing for me. It inspired me to pay it forward and help others live lives of hope and dignity."

-Kelly, Washington

Stay in Touch with NASCSP

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