



Kansas Weatherization Assistance Program



Weatherization Assistance Program

Mission:

“To reduce energy costs for low-income families, particularly for the elderly, people with disabilities, and children, while ensuring their health and safety.”

Weatherization reduces energy costs for low-income households by increasing the energy efficiency of their homes so that the structure uses less electricity and fuel.



History- Federal Weatherization Program

- A product of the 1970's Energy Crisis
 - Low income families didn't have the resources to invest into efficiency upgrades.
- Created as part of The Energy Conservation and Production Act of 1976.
 - Focused on saving energy in existing structures
- Largest National Energy Efficiency Program
 - Operates in every state, DC, five U.S. territories, and Native American Tribes
 - Over 7.4 million homes served



Why Weatherization?

Low-income households carry a larger burden for energy costs, typically spending 16.3% of their total annual income versus 3.5% for other households (*2014 ORNL study*). Often, they must cut back on healthcare, medicine, groceries, childcare and other necessities to pay their energy bills.

Weatherization helps alleviate this heavy energy burden. Energy efficiency upgrades continue to save money and energy year after year. The program also helps improve health and safety by addressing energy related hazards.



Funding and Structure

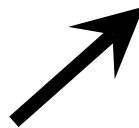
Department of Energy



Utility Funds

KHRC/State Funds

KDCF's
LIEAP Program



KHRC



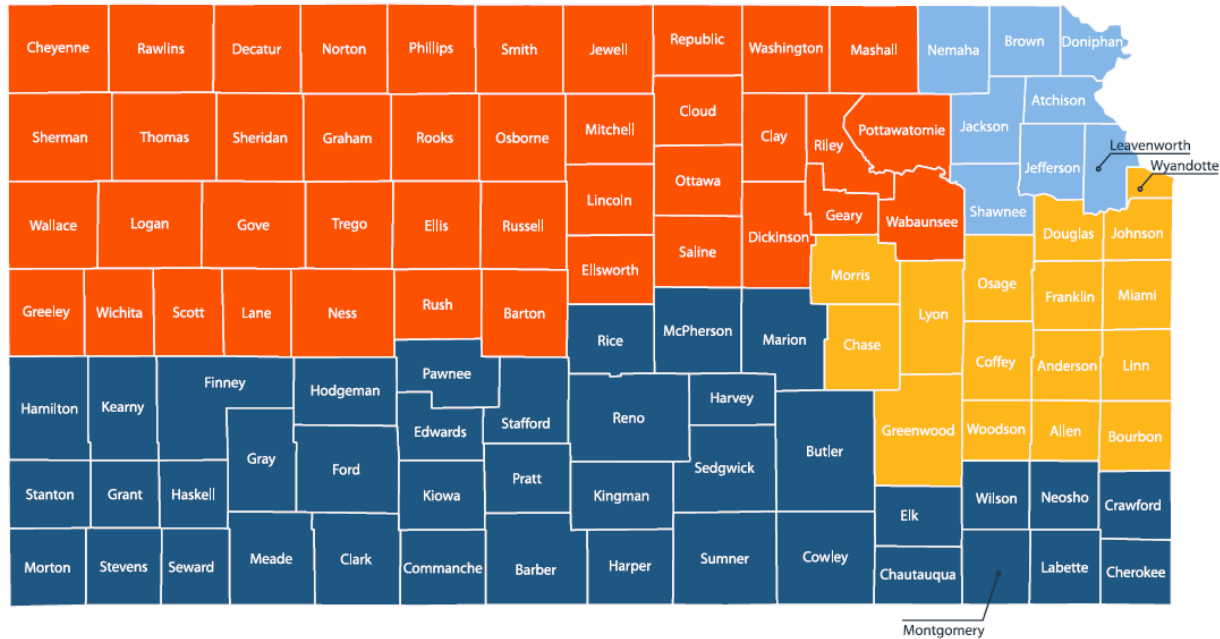
Subrecipients:
CAP agencies, non-profits,
economic development agencies





Local Crews
Contractors




Current Statewide Coverage



 North Central Regional Planning Commission
(800) 432-0303 | ncrpc.org

 East Central Kansas Economic Opportunity Corporation
(888) 833-0832 | eckan.org

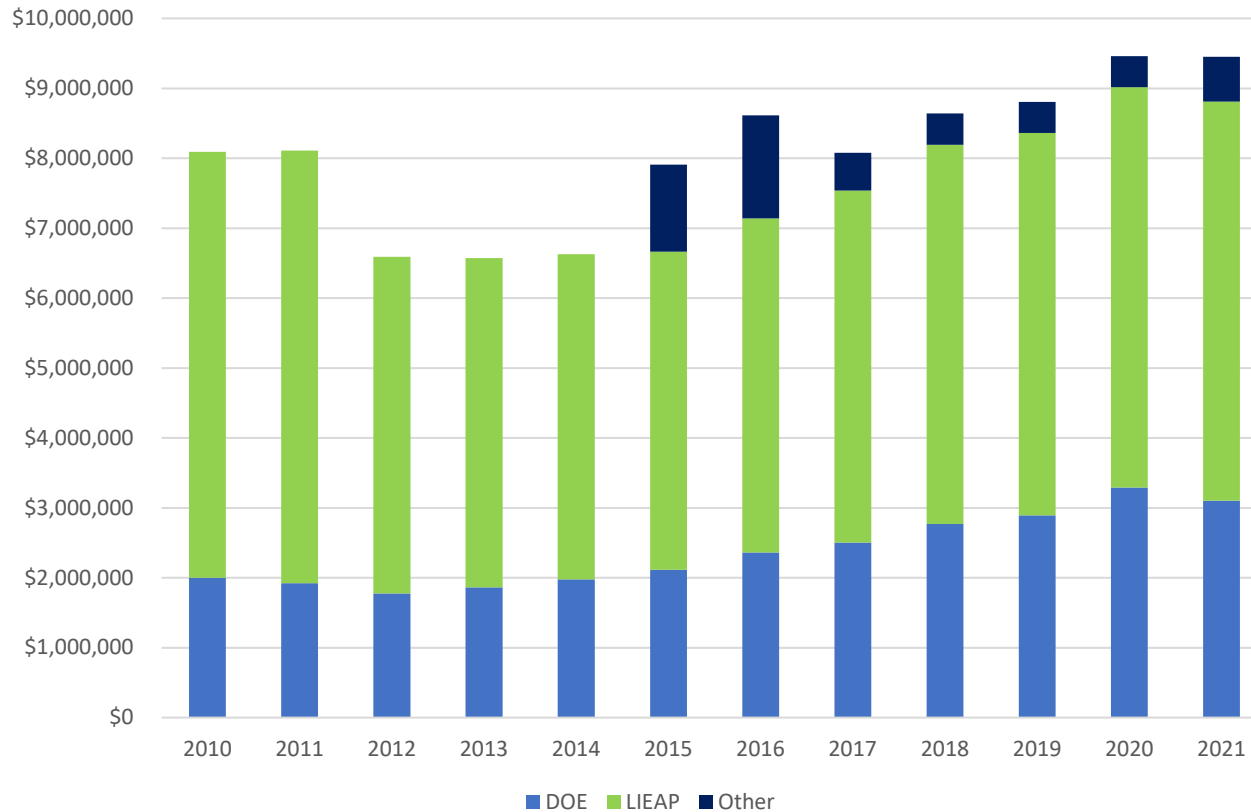
 Community Action Inc.
(785) 836-4500 | wefightpoverty.org

 South Central Kansas Economic Development District
(316) 262-7035 | sckedd.org



KWAP- Historical Funding

KWAP Historical Funding Level



KWAP- Historical Completions

	DOE	LIEAP	Other	Completed Homes
2010	\$1,998,468.00	\$6,095,388.00	*	1593
2011	\$1,924,929.00	\$6,184,701.00	*	1700
2012	\$1,774,148.00	\$4,817,750.00	*	1117
2013	\$1,863,608.00	\$4,708,937.25	*	1186
2014	\$1,979,652.00	\$4,646,867.00	*	1008
2015	\$2,112,717.00	\$4,552,396.00	\$1,245,000.00	943
2016	\$2,360,701.00	\$4,781,333.55	\$1,472,920.72	961
2017	\$2,503,192.00	\$5,034,138.00	\$541,872.00	998
2018	\$2,768,233.00	\$5,425,779.00	\$446,872.00	996
2019	\$2,892,165.00	\$5,470,380.30	\$441,872.00	828
2020	\$3,291,592.00	\$5,726,439.00	\$441,872.00	857
2021	\$3,104,047.00	\$5,706,058.00	\$641,872.00	Est. 929



Weatherization Process

- 1) Client applies for services at local subrecipient- client eligibility determined
- 2) Home Energy Audit is conducted by subrecipient certified staff- structure eligibility assessed
- 3) Work scope developed of cost effective and health and safety measures
- 4) Work measures are installed by contractors or subrecipient crews at no cost to the client
- 5) Post work quality control inspection conducted by subrecipient certified staff.
- 6) Weatherization pays contractor, home is reported, client saves energy.

KHRC's role is to provide oversight and training and we go out and conduct quality control checks of 10% of the homes completed.



Client Eligibility

Client eligibility based on income

Automatically income qualified if receiving:
SSI, TANF, or LIEAP

Owners and renters eligible

2021 Income Limits

Household Size	Maximum Income for Weatherization (200% of FPL)
1	\$ 25,760
2	\$ 34,840
3	\$ 43,920
4	\$ 53,000



Structure Eligibility

The structure must be eligible too.

- Single Family, Multifamily, Manufactured/Mobile Homes
- Structurally sound without major electrical, mechanical, sanitary, or moisture issues.
- Void of serious health and safety issues such as mold or excessive clutter/hoarding.
- Must not be condemned, for sale, scheduled for demolition, or be under major renovations.



Home Energy Audit

The Home Energy Audit consists of a full house inspection to look for areas of potential energy efficiency upgrades.

- Conducted by a certified Weatherization Inspector
- Collects information on the home
 - Including results of diagnostic tests
- Uses audit software to estimate potential savings
- Develops list of cost-effective measures
- Identifies energy-related health and safety measures



WEATHERIZATION | WHAT WE DO



MECHANICAL MEASURES

- Clean, tune, repair, or replace heating systems.
- Install ductwork insulation.
- Repair leaks in heating/cooling ducts.
- Repair/replace water heaters.
- Install water heater tank insulation.
- Insulate water lines when needed.



BUILDING SHELL MEASURES

- Install wall, floor, ceiling, and/or foundation insulation.
- Complete Blower Door testing.
- Perform air sealing.
- Repair/replace primary windows/doors.
- Repair minor roof/wall leaks prior to attic/wall insulation.



HEALTH & SAFETY MEASURES

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



ELECTRIC & WATER MEASURES

- Install efficient light bulbs.
- 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 function of any new mechanical equipment or appliances.
- Discuss the benefits of using energy-efficient products.

Weatherization Impact

\$283 average annual savings (ORNL National Evaluation 2018)

Improved energy affordability, making overall housing more affordable.

Reduced energy burden, freeing up money for other uses.

Improved thermal comfort and reduction of associated health impacts.

Health benefits of warm, safe, secure housing

National and environmental impacts and local jobs.



Questions?

Kansas Housing Resources
Corporation
611 S. Kansas Ave, Suite 300
Topeka, KS 66603

Kansas Weatherization
Assistance Program

Scott Kuhn
Senior Weatherization
Program Manager
skuhn@kshousingcorp.org
785-217-2048



*Weatherization
Works*

