community
Action
PARTNERSHIP

Helping People. Changing Lives.

Who is Community Action?

▶ Founded in 1964, CAA of OKC is a 501(c)3 private non-profit.

▶ Our mission to help those who are economically, culturally, or socially disadvantaged members of our community to achieve self-sufficiency.

▶ We advocate for, support, and provide services to those in our community who might be struggling.

Community Action Services

- Head Start- early childhood education
- Community Services – Senior Transportation, Rent/Mortgage, Food Pantry, Utility Assistance, Prescription Assistance
- Affordable Rental Homes
- Financial Literacy Workshops
- Homebuyer Workshops
- Down payment & Closing Cost Assistance
- Emergency Home Repair
- Weatherization

Services often used by Seniors

▶ Food Pantry – Currently have 1 location in SE Oklahoma City but should be opening 2 more in the coming year.

▶ Senior Transportation – We provide transportation for Seniors to Congregate Meal Sites, Medical Appointments, and/or Grocery Shopping.

▶ Emergency Home Repair – Can provide emergency health and safety repairs on homes in certain area of OKC. Services can include heat/air, electrical, plumbing, and/or roof repairs.

▶ Weatherization – Provides Energy-efficient upgrades to homes for low-income members of Oklahoma, Canadian, Cleveland, Lincoln, and Pottawatomie Counties.

WEATHERIZATION FUNDERS

- **D**epartment **o**f **E**nergy, Low Income **W**eatherization **A**ssistance **P**rogram (DOE WAP)

- U.S. Department of Health & Human Services, Administration for Children and Families, Office of Community Services, **L**ow **I**ncome **H**ome **E**nergy **A**ssistance **P**rogram (LIHEAP)
  - OK **D**epartment of **H**uman **S**ervices (DHS) is direct grantee.
  - DHS passes a percentage of LIHEAP to ODOC for weatherization (WX)

MISSION

Reduce 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

WX Application process

- ✓ **Client Eligibility** – must meet income qualifications
  - ▶ 200% of Poverty Guidelines for DOE WAP

- ✓ **Building Eligibility**
  - ▶ Has not been weatherized for 15 years (DOE)
  - ▶ Has not been weatherized since 2010 (DHS LIHEAP)
  - ▶ Has no H&S issues that meet standards for deferment
  - ▶ Can be a mobile home or single-family unit

WX Application Process

✓ **Priority Applicants**

▶ 60+

▶ Disabled

▶ Families with children 12 years and younger

▶ High Residential Energy User

▶ Households with High Energy Burdens

Energy Audit

Once a home is selected for work, a trained **Energy Auditor (EA)** conducts a comprehensive energy audit of the home.

Energy audit takes a comprehensive look at how a home uses energy and how air moves through the home.
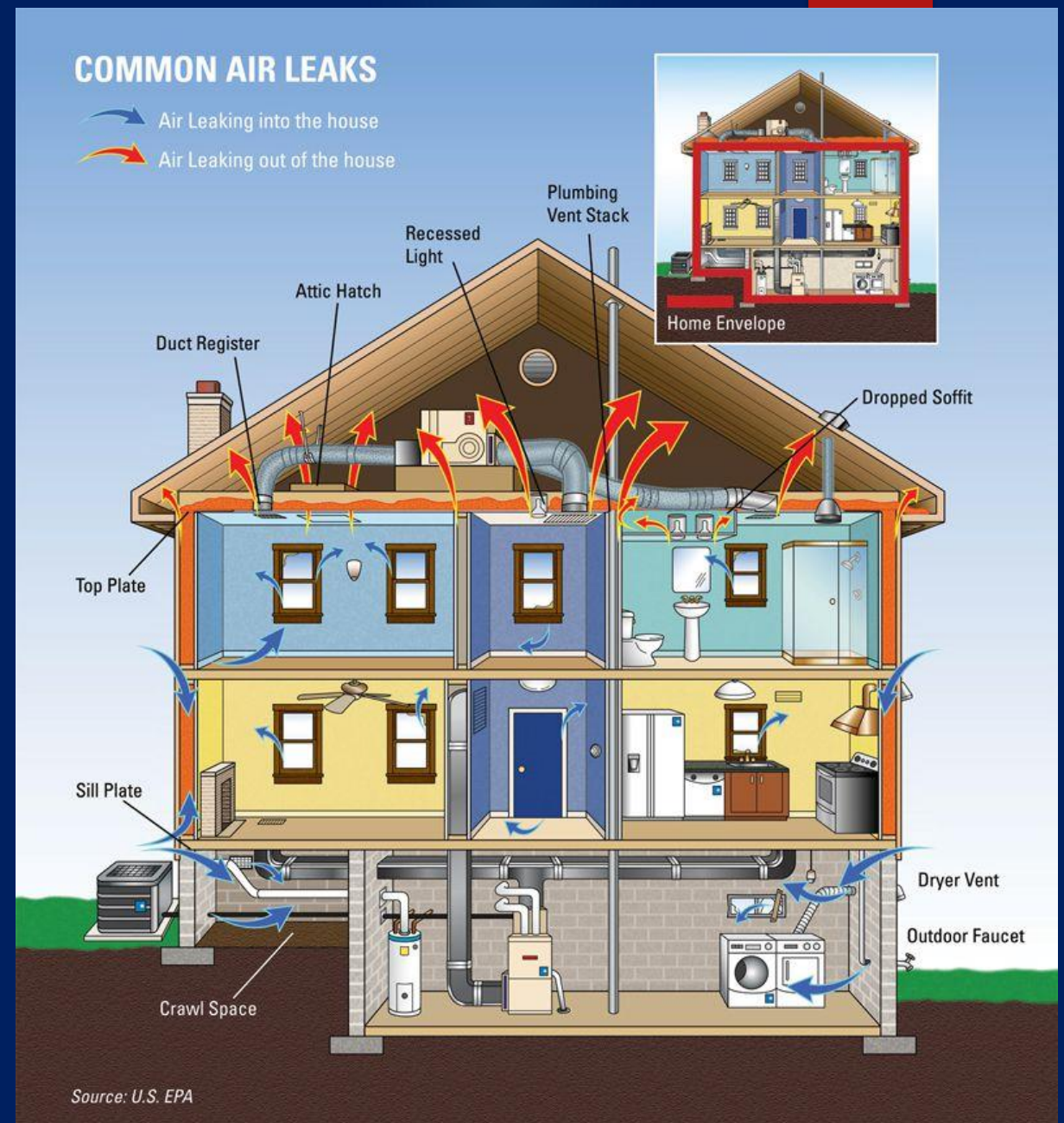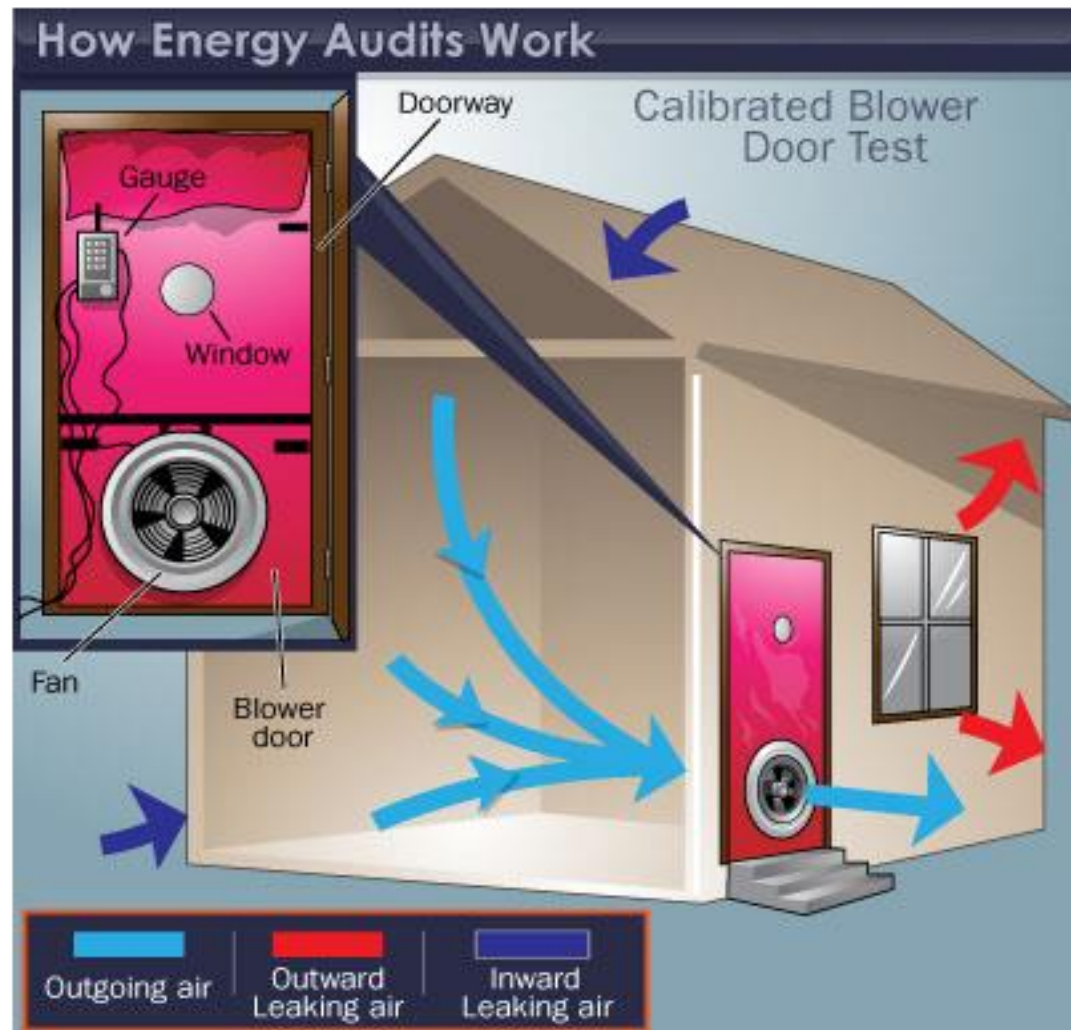
Three processes completed during an energy audit

1. Diagnostics
2. Physical recording of home characteristics (data collection for energy modeling software)
3. Identification of H&S Issues

Energy Audit - Diagnostics

A significant portion of the energy audit process is performing diagnostic testing.

- ▶ Combustion Appliance Zone testing (tests for CO levels)
- ▶ Blower door testing (tests where air is leaking from the home)
- ▶ Duct blaster testing (tests for duct leakage in HVAC systems)

Energy Audit BLOWER DOOR

Energy Audit
CAZ Testing

Energy Audit Duct Testing

Data collection for Energy modeling software

Physical assessment data is input into an energy modeling software program that analyzes energy savings to cost benefit.

- ▶ There is a separate audit process for mobile homes (MHEA) and single-family units (NEAT).

Energy modeling software dictates what qualified allowable energy conservation measures can be installed in the home.

- ▶ Agencies can install anything that has a **S**avings to **I**nvestment **R**atio (SIR) of 1.0 or higher

Agencies can determine what H&S measures need to be installed – these do NOT have energy savings.

Data collection for Energy modeling software

RECOMMENDED Measures Report

Energy Saving Measure Economics

Index	Recommended Measure	Components	Measure Savings ($/yr)	Measure Cost ($)	Measure SIR	Cumulative Cost ($)	Cumulative SIR
1	Infiltration Redctn		618	750	7.3	750	7.3
2	DWH Pipe Insulation		158	15	114.3	765	9.4
3	Lighting Retrofits	LT1,LT2,LT3,LT4	565	76	45.7	841	12.7
4	DWH Tank Insulation		146	40	39.7	881	13.9
5	Attic Ins. R-49	A1	2227	1693	23.9	2574	20.5
6	Replace A/C	AC2	533	510	12.8	3084	19.2
7	Wall Insulation	E2,N3,S1,W4	664	968	12.5	4052	17.6
8	Door Replacement	DR1	111	185	9.6	4237	17.3
9	Door Replacement	DR2	97	185	8.5	4422	16.9
10	Low-E Windows	WD10,WD8,WD9,WD6,WD4,WD7,WD3,WD1,WD2,WD5	543	2109	4.1	6530	12.8

RECOMMENDED Measures Report

Index	Recommended Measure	Components	Measure Savings ($/yr)	Measure Cost ($)	Measure SIR	Cumulative Cost ($)	Cumulative SIR
11	Attic access		0	146	0.0	6676	0.0
12	CO Monitor is Needed		0	65	0.0	6741	0.0
13	ext fan ducting-hard piping/flex ducting/ext fan vent		0	122	0.0	6863	0.0
14	Install Kitchen Exhaust Fan		0	750	0.0	7613	0.0
15	REPAIR WIREING AND ADD JUCTION BOXES IN ATTIC		0	1200	0.0	8813	0.0
16	Repairs-caulk/r-board/spray foam/joint compound/joint tape/ceiling tiles		0	455	0.0	9268	0.0
17	Replace heater		0	2500	0.0	11768	0.0
18	Smoke Detector is Needed		0	45	0.0	11813	0.0
19	Sun screens		0	540	0.0	12353	0.0

Materials

Weatherization Work - Installation

▶ Once work plan is determined, trained weatherization workers (**called Retrofit Installers and Crew Leaders**) install measures according to the DOE National Resource Energy Laboratory's (NREL) Standard Work Specifications (SWS).

▶ Oklahoma has two field guides – one for mobile homes and one for single family units that applies the SWS to OK's program.

▶ 25 ODOC standardized technical forms that all client files must contain, from audit to final inspection.

Weatherization Work – Final Inspection

- Each agency is required to have a nationally certified (through the Building Performance Institute) **Quality Control Inspector** (QCI) either on staff or through contract.

- Every home, before it can be reported as completed to ODOC, must have a final inspection completed by a QCI.