

# Home Performance with LEAP local energy alliance program

Presented by

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# What is LEAP?

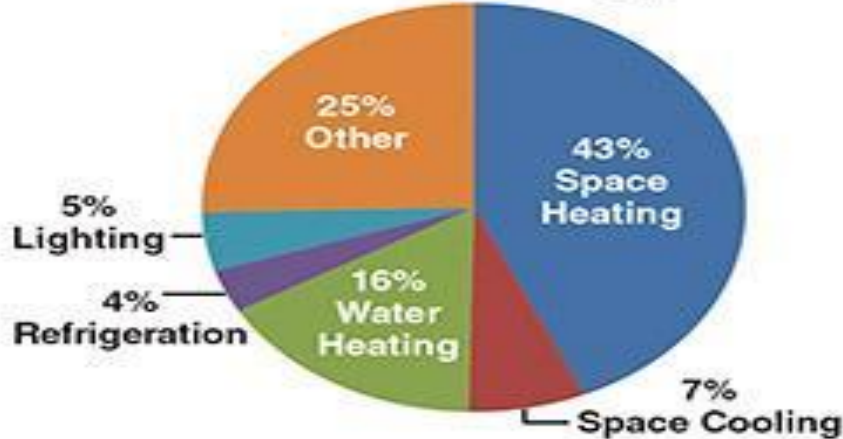


The Local Energy Alliance Program (LEAP) is a non-profit founded in Charlottesville in 2009 and expanded to working throughout Virginia 2012.

We work to empower Virginian home and business owners with energy efficiency and renewable energy solutions.

# Household Energy Uses

## Residential Energy Use



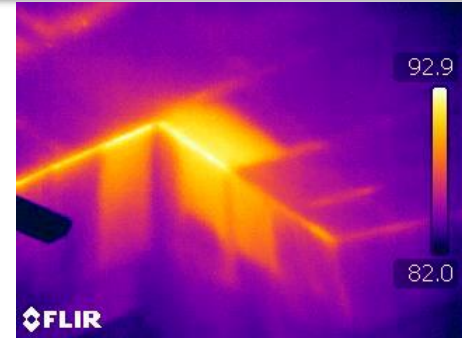
- Nearly 50% of household energy use goes to heating & cooling – the biggest energy use, but also biggest saving opportunity

# Home Energy Efficiency starts with...



## Home Energy Assessment

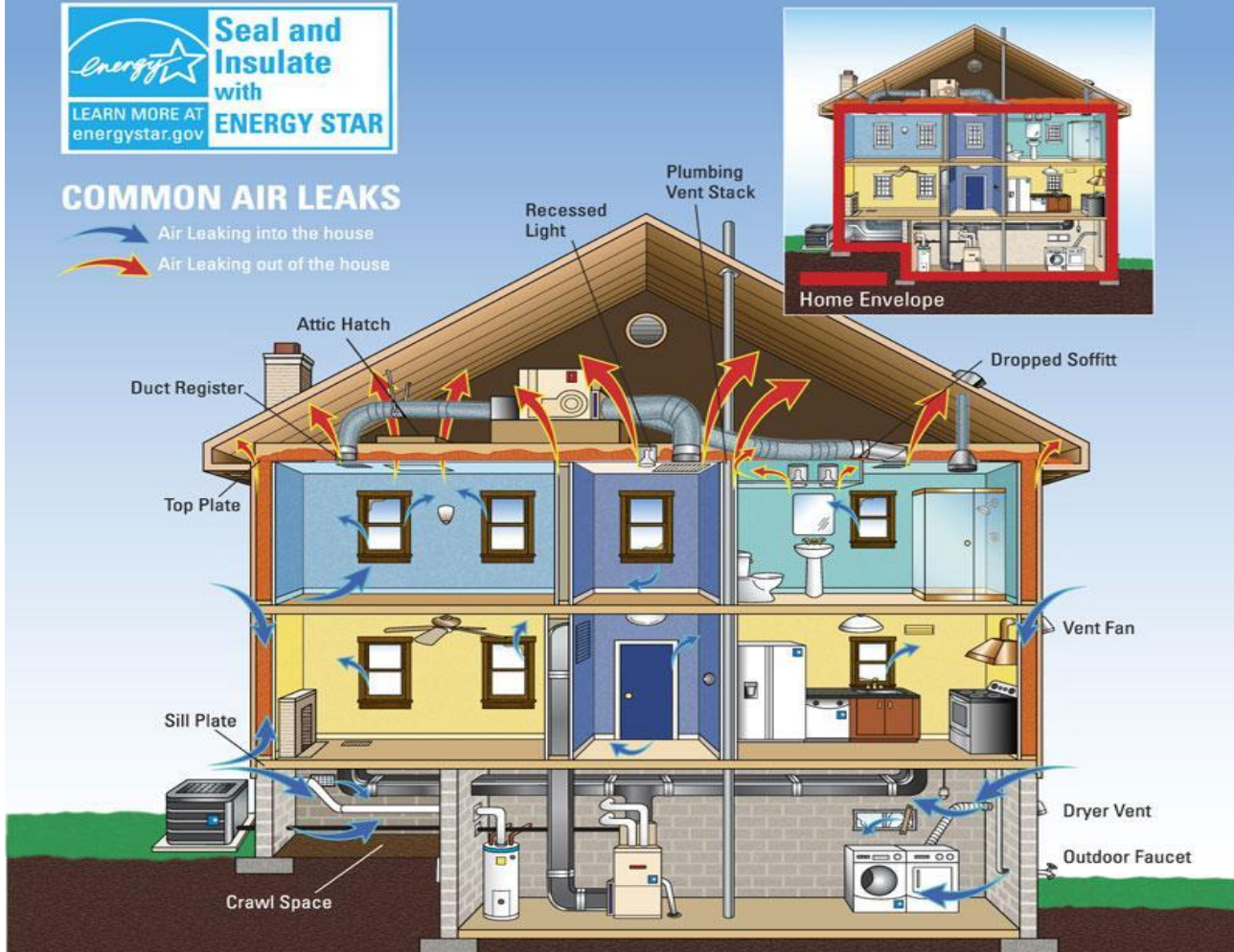
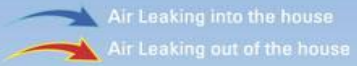
- 1-2 hour inspection by certified residential Building Analyst
- Blower door test to measure air leakage
- Thermal imaging to locate insulation & air sealing issues
- Report on the home of efficiency issues & solutions to them



Normal opportunities where we find the biggest “bang for the buck” action are with insulation and air sealing of older and manufactured homes!



### COMMON AIR LEAKS



Source: U.S. EPA

# Home Energy Efficiency Retrofit

## Scope of work normally includes:

- Replace incandescent light bulbs with LEDs
- Efficient, low-flow showerheads
- Efficient, low-flow faucet aerators
- Pipe wrap insulation for hot water pipes
- Attic insulation and air sealing
- Electric heating tune ups and replacement especially for electric furnace/baseboard heating for example
- Can consider fuel switching from fuel oil/propane to high efficiency heat pumps



# External Funding Opportunity



## DHCD to launch Housing Innovation Partnership grants

- \$5.5 million of total grant funding for low-income energy efficiency
- Application window likely to open in December with funding available in early 2022
- Potential to do a pilot project
- LEAP would like to collaborate with Harrisonburg in some form to deliver benefits to low-income families

