

Lower bills and improved comfort.

Your guide to air sealing and insulation.



Air sealing and insulation is a great way to save energy and money while improving the comfort of your home. And we can help you get started with our list of qualified contractors and valuable rebates.

Air sealing combined with insulation is often the most cost-effective way to improve energy efficiency and comfort. Installed together, they can save up to 20 percent on heating and cooling costs or up to 10 percent on the total annual energy bill.

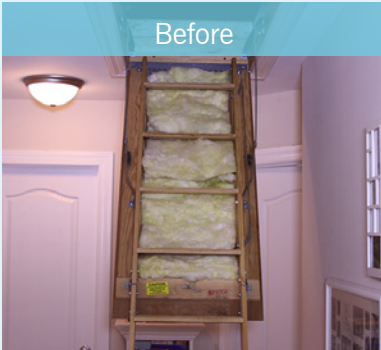
Air sealing alone does not eliminate the need for proper insulation to reduce heat flow through the building. Insulation keeps your home warm in the winter and cool in the summer. However, it is very important to seal air leaks before installing insulation to ensure that you get the best performance from the insulation.

Key benefits:

- Reduces drafts
- Lowers utility bills
- Keeps out pollutants
- Reduces noise from outside

Three key examples

Before



After



Attic access hatches and stairs

Attic access hatches need to be properly sealed and insulated to create a consistent layer of insulation across the attic floor. This minimizes heat loss or gain.

Why? Increases energy efficiency

Before



After

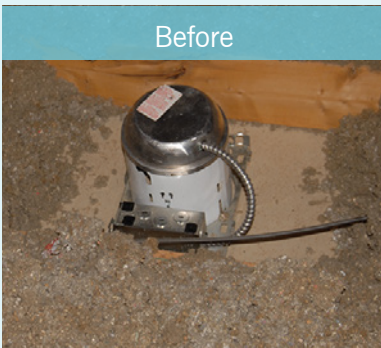


Attic knee walls

Attic knee walls need to be insulated and sealed to stop conditioned air from moving between the attic and the living space.

Why? Increases overall comfort

Before



After



Recessed can lights

Sealed light boxes safely prevent air leakage while keeping insulation at a safe distance from this common heat source.

Why? Increases health, safety and indoor air quality



Home Energy Improvement Program (HEIP)

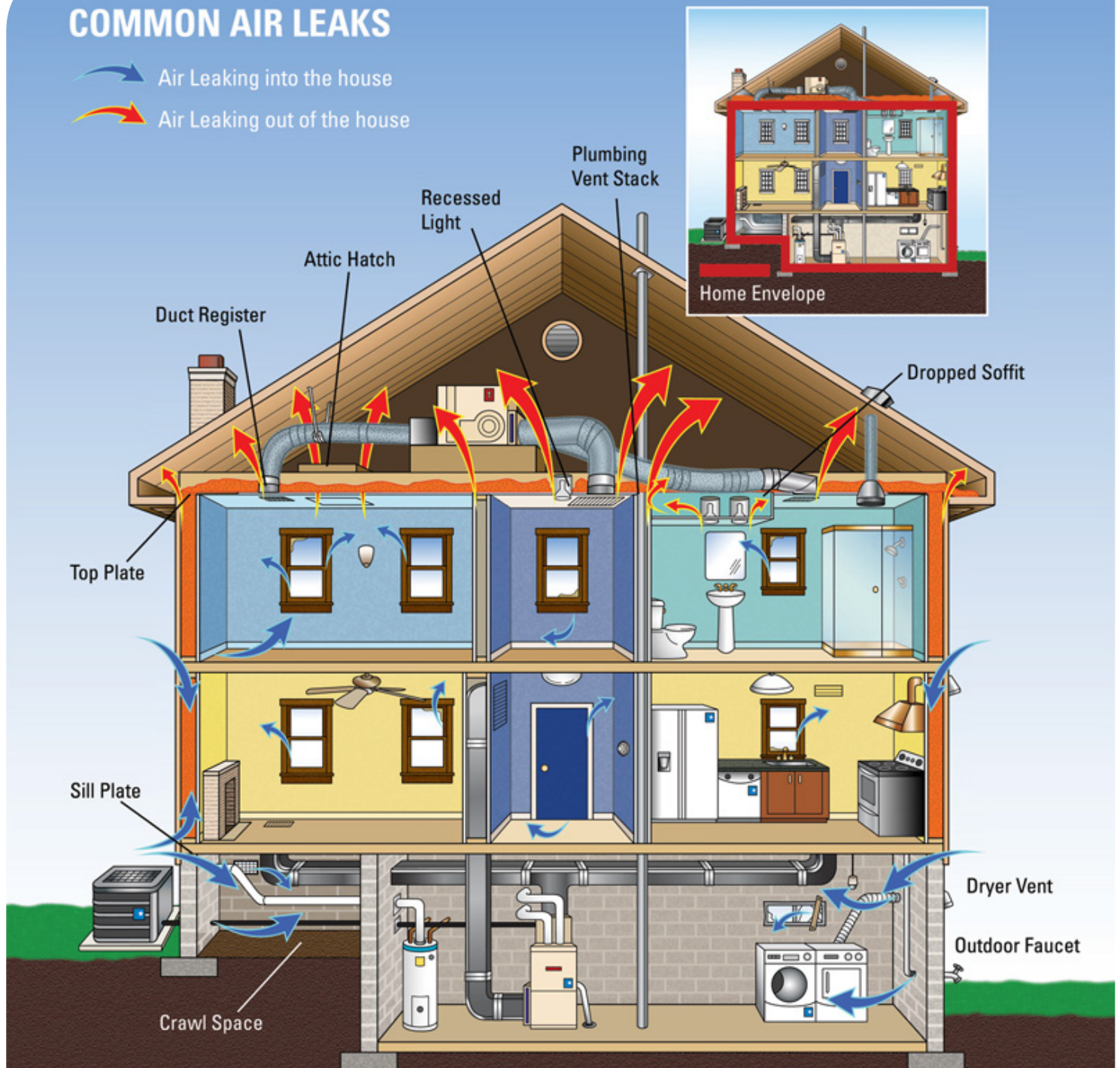
We offer great rebates for new insulation that is installed in conjunction with air sealing of the thermal boundary in accordance with program standards.

The installation must be completed by a Duke Energy Progress prequalified contractor. And, you must be a Duke Energy Progress customer. Visit duke-energy.com/heip for more information.



COMMON AIR LEAKS

-  Air Leaking into the house
-  Air Leaking out of the house



Source: U.S. EPA