



# **How to Save Hundreds per Year on Your Utilities**

**Cameron Home Insulation**

**Charlie Lewis**

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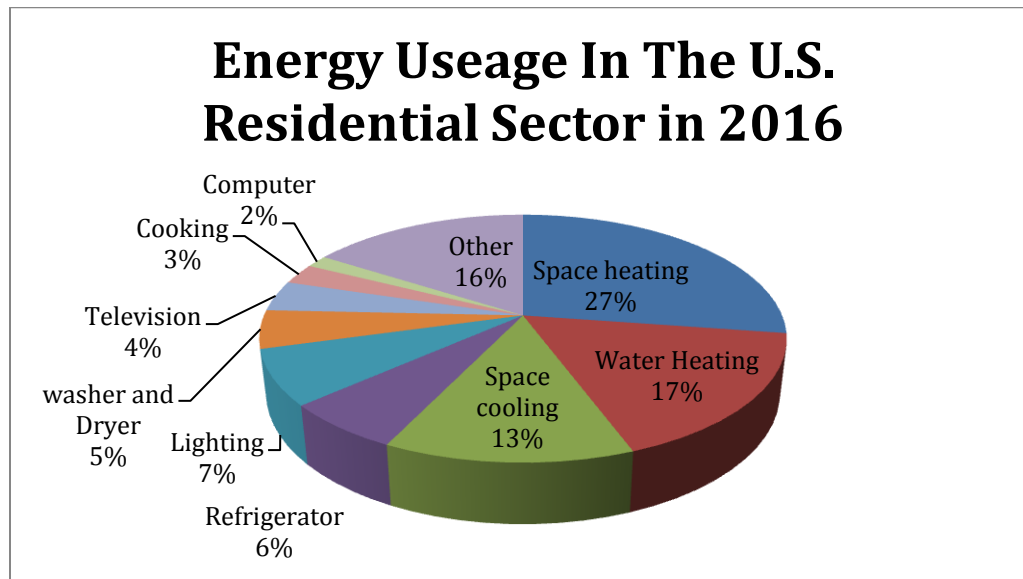
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## Executive Summary

- 1.1. Customers traditionally experience higher than normal utility costs during the summer and winter months as they look for new ways to stay comfortable. Through research, we have discovered precise reasons why utility cost is much higher than normal during these times of year. Fortunately, we offer solutions that help our customers save hundreds of dollars annually.
- 1.2. Research shows that the average home in the United States loses about 21 percent of its energy yearly due to air infiltration. That's about 300 kilowatt hours of energy per square meter.
- 1.3. Over a three to five year period, your home's R-value gradually deteriorates and becomes less active. This allows both warm and cool air to escape the home. As a result, your HVAC system is forced to work overtime to keep your home comfortable throughout the course of the year.
- 1.4. There are three types of homes. Homes that leak energy, the traditional modern home that contains basic insulation and a passive home which is securely insulated and prevents energy loss.
- 1.5. Reducing your utility costs includes removing the old insulation from your home, air sealing, and adding the proper amount of recommended insulation.

**KEY FINDING 1:** According to the Department of Energy, heating and cooling costs account for nearly half of the wasted energy in a home.



## Reasons Why Your Utility Bills Might Be High

Your utility bills might be high during the winter and summer months for the following reasons:

- The technician from your electric company,, may have read the meter incorrectly.
- Your home may have insufficient insulation, broken or kinked duct work, or poor attic ventilation.
- The average home burns about 21% of its energy because it may contain leaks and holes that allow cool air and heat to escape.

## How Does Insulation Impact Your Utilities?

There are three types of homes, namely homes that foolishly waste energy, homes that minimize the problem by masking it, and homes that address the problem.

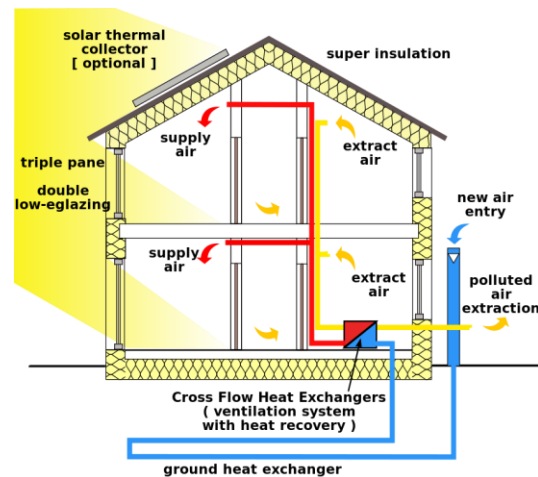
If your home contains poor insulation, it allows cool air to escape. This results in a warm, hot environment during the summer months and a cold, drafty home during the winter months.



A **leaky home** is a home that contains the lowest level of insulation. It has single glazed windows, solid walls, and an uninsulated floor. The average annual electric bill is \$1500. Nearly 60% of the homes heat is either lost through the roof or because the walls are underinsulated

Most **modern homes** are built with insulation in walls, in attics, and under floorboards. A modern home uses approximately 150 kilowatt-hours of

energy per square meter. The average annual electric bill is \$750. A house may contain a vaulted ceiling, which makes it difficult to install insulation.



A home that contains properly secured insulation uses about 15 kilowatt- hours per square meter. The entire home has effective insulation. It also contains triple glazed windows, and has a ventilation system that allows fresh air to circulate throughout the home. These types of homes are known as **passive homes**.

## Air Sealing and Insulation Solutions

### Energy Saving

#### Tips

Air seal windows that leak energy.

Invest in LED light bulbs. An average LED bulb uses about 10 watts of energy, and a traditional light bulb uses 60 watts of power.

Insulating hot water pipes reduces utility costs by 4%.

Save 10% annually on heating and cooling costs by adjusting your thermostat between seven and ten degrees for up to eight hours per day.

Air sealing saves homeowners up to 20% off of their annual heating and cooling costs.

**Air Sealing** –consists of checking the home for air leaks in common trouble spots such as the attic area, air ducts, and exterior walls.

Air sealing removes the potential for lost air in and out of the home. It's a cost effective way to reduce cooling and heating costs, improve comfort, and create a healthier living environment.

#### Insulation options:

**Fiberglass insulation-** There are two forms of fiberglass insulation: batt and blown-in. Fiberglass insulation is versatile, affordable, easy to install, and eco-friendly.

**Spray Foam Insulation** –performs as both an insulation and air barrier. Spray foam is used to fill gaps and stop leaks in many area of the home. Typical spots that are sealed with spray foam include:

- Open soffits
- Recessed lighting
- Basement rim joists
- Attic hatches



## **THANK YOU.**

FOR MORE INFORMATION CONTACT: Charlie Lewis  
Charlie@camerongroupllc.com