HOW TO SAVE ENERGY IN YOUR HOME

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One of the biggest problem of our country is wasting energy in our homes. Everyone should think about it and do it by himself. There are simple ways to conserve energy used in your home, to make it more energy efficient and save money while doing it. I will tell you what home improvements and products are best for you and your home.

A home energy audit is the first step to assess how much energy your home consumes and to evaluate what measures you can take to make your home more energy efficient. An audit will show you problems that may, when corrected, save you significant amounts of money over time. During the audit, you can pinpoint where your house is losing energy. Audits also determine the efficiency of your home's heating and cooling systems. An audit may also show you ways to conserve hot water and electricity. You can perform a simple energy audit yourself, or have a professional energy auditor carry out a more thorough audit.

A professional auditor uses a variety of techniques and equipment to determine the energy efficiency of a structure. Thorough audits often use equipment such as blower doors, which measure the extent of leaks in the building envelope, and infrared cameras, which reveal hard-to-detect areas of air infiltration and missing insulation. But you can easily conduct a home energy audit yourself. With a simple but diligent walk-through, you can spot many problems in any type of house. When auditing your home, keep a checklist of areas you have inspected and problems you found. Make a list of obvious air leaks (drafts). Check for indoor air leaks, such as gaps along the baseboard or edge of the flooring and at junctures of the walls and ceiling. Also look for gaps around pipes and wires, electrical outlets, foundation seals, and mail slots. Check to see if the caulking and weather stripping are applied properly, leaving no gaps or cracks, and are in good condition.

You can reduce your home's heating and cooling costs through proper insulation and air sealing techniques. These techniques will also make your home more comfortable. Heat loss through the ceiling and walls in your home could be very large if theinsulation levels are less than the recommended minimum. Any air sealing efforts will complement your insulation efforts, and vice versa. Proper moisture control and ventilation strategies will improve the effectiveness of air sealing and insulation, and vice versa.

It's hard to imagine life without electricity. In our homes, we rely on it to power our lights, appliances, and electronics. Many of us also use electricity to provide our homes with hot water, heat, and air conditioning.

But as we use more electricity in our homes, our electric bills rise. In turn, fossil-fueled power plants not only generate more electricity, but also more pollution. The continued reliance on and depletion of fossil-fuel resources threatens our energy security.

Energy-efficient windows, doors, and skylights - also known as fenestration - can help lower a home's heating, cooling, and lighting costs. Water heating can account for 14%–25% of the energy consumed in your home. You can reduce your monthly water heating bills by selecting the appropriate water heater for your home or pool and by using some energy-efficient water heating strategies.

Heating and cooling account for about 56% of the energy use in a typical U.S. home, making it the largest energy expense for most homes. A wide variety of technologies are available for heating and cooling your home, and they achieve a wide range of efficiencies in converting their energy sources into useful heat or cool air for your home. In addition, many heating and cooling systems have certain supporting equipment in common, such as thermostats and ducts, which provide opportunities for saving energy.

When looking for ways to save energy in your home, be sure to think about not only improving your existing heating and cooling system, but also consider the energy efficiency of the supporting equipment and the possibility of either adding supplementary sources of heating or cooling or simply replacing your system altogether.

The quantity and quality of light around us determine how well we see, work, and play. Light affects our health, safety, morale, comfort, and productivity. In your home, you can save energy while still maintaining good light quantity and quality.

I hope people of our county will become more educated from year to year and even they won't use the services of professional energy audit they will make it themselves. Annually billions of dollars are wasted in our homes all over the country, but we should stop it. I believe we can.

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