

Making your Home Safe and Efficient Infographic



CONNECTED to SAFETY

Making your Home Safe and Efficient

Whether you're **working** from home, **learning** from home, or just **spending more time** at home, it is important to make sure your home is **electrically safe, secure, and efficient**. Learn how the **internet of things** and **smart devices** can improve your quality of life and **make your home safer**.

Home Energy Use



AIR CONDITIONING

17%



SPACE HEATING

15%



WATER HEATING

14%



LIGHTING

10%

AVERAGE YEARLY ENERGY USE BY ITEM *source: U.S. Energy Information Administration, 2015 Residential Energy Consumption Survey

Energy Efficiency Through Smart Devices



Smart refrigerators to **optimize temperature**



Optimize wash/dry times for **lowest energy costs**



Automated HVAC controls



Automated lighting



Remote / automated outlet controls

Prepare your Home for Safe and Efficient Energy Use



Use a **smart plug** or **power strip** to turn off power when devices are not in use



LED light bulbs last longer than traditional bulbs and use 25-80% less energy



Heat only the area you're in with **energy efficient** space heaters



Utilize **home automation** to control HVAC and lighting systems while not at home



Have an electrician **inspect your electrical system** every 10 years to avoid overloads

Home Electrical Safety Devices



AFCI breakers and outlets protect against arc-faults which could lead to fires



Grounded outlets protect against electric shocks



GFCI outlets and breakers are required where water and electricity may come in contact and protect against ground-faults



Surge protectors protect against damaging power surges that can destroy electrical equipment

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Home Energy Use

Average energy use by item:

- Air Conditioning: 17% of total home energy use
- Space heating: 15% of total home energy use
- Water heating: 14% of total home energy use
- Lighting: 10% of total home energy use

Prepare your Home for Safe and Efficient Energy Use

- Use a smart plug or power strip to turn off power when devices are not in use
- LED lightbulbs last longer than traditional bulbs and use 25-80% less energy
- Heat only the area you're in with energy-efficient space heaters
- Utilize home automation to control HVAC and lighting systems while not at home

Home Electrical Safety Devices

- AFCI breakers and outlets protect against arc-faults which could lead to fires
- Grounded outlets protect against electric shocks
- GFCI outlets and breakers are required where water and electricity may come into contact and protect against ground faults
- Surge protective devices protect against damaging power surges that can destroy electrical equipment

Source: *Republished with permission from Electrical Safety Foundation International (ESFI)*