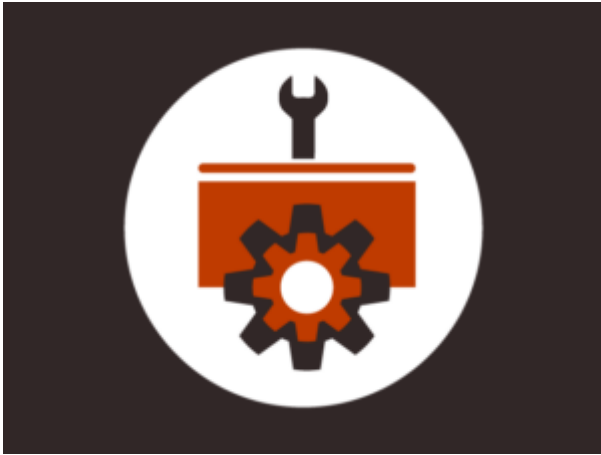


Making your Home Safe and Efficient Infographic



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

Please **share** this **free** resource to save lives



www.facebook.com/ESFI.org



www.twitter.com/ESFIdotorg



www.youtube.com/ESFIdotorg

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

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)*