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HELP PROTECT THE ENVIRONMENT

Using energy-efficient lighting reduces the amount of fossil fuels burned to produce energy. This helps prevent air pollution. If every household in the United States replaced its five most frequently used fixtures, or the light bulbs in them, with ENERGY STAR qualified models, we would save more than 800 billion kWh of energy. That's enough energy to light more than 34 million homes each year and the equivalent in air pollution to the annual output of more than 21 power plants.

To date, American consumers have purchased more than 1 billion ENERGY STAR qualified products. Last year alone, ENERGY STAR helped save enough energy at peak time to power 20 million homes and reduce greenhouse gas emissions equivalent to those of 18 million cars and save \$9 billion in energy costs.

ENERGY STAR QUALIFIED LIGHTING

ENERGY STAR qualified light bulbs, fixtures, and ceiling fans meet strict energy efficiency criteria without sacrificing performance. They are a stylish addition to match the décor of your home or office.

FIXTURES

The ENERGY STAR is awarded to both hard-wired and portable fixtures, including table lamps, torchieres, suspended fixtures, ceiling and close-to-ceiling fixtures, sconces, outdoor fixtures, and cabinet, recessed, security, cove, and architectural lighting. ENERGY STAR qualified fixtures generally use compact fluorescent light bulbs (CFLs).

COMPACT FLUORESCENT LIGHT BULBS

ENERGY STAR qualified CFLs produce the same bright light as incandescent bulbs, but use two-thirds less energy. And CFLs last 6 to 10 times longer than incandescent bulbs. That means you only have to change your light bulb about once every four years.

CEILING FANS WITH LIGHTING

Many ENERGY STAR qualified ceiling fans offer the built-in convenience and efficiency of compact fluorescent lighting, which reduces the heat output and energy consumption. They operate 50 percent more efficiently than conventional fans with lighting, resulting in annual savings on utility bills of \$15–\$25 per year, depending on use



WHAT IS ENERGY STAR®?

ENERGY STAR is a label that identifies energy-efficient products, such as light fixtures and bulbs, which meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE).

Products that have earned the ENERGY STAR help you save energy and money without sacrificing performance – one solution to energy supply and cost concerns. By using less energy, these products also help reduce air pollution and global warming associated with energy production.

In addition to lighting, more than 40 product categories, including appliances, home office equipment, heating and cooling equipment, and home electronics, feature the ENERGY STAR.

SAVE ENERGY, SAVE MONEY

When you save energy with ENERGY STAR qualified lighting, you'll also save money on utility bills. The typical household spends more to light their home than to run their refrigerator 24 hours a day, every day. On average, ENERGY STAR qualified fixtures cost less than half as much to operate, compared with traditional models. And, when you replace a traditional bulb with an ENERGY STAR qualified CFL, you can save \$25 per bulb in energy costs over its lifetime.* To save even more, replace your most frequently used fixtures and bulbs with products that have earned the ENERGY STAR.

SAVE WITH ENERGY STAR QUALIFIED FIXTURES

With ENERGY STAR qualified fixtures, consumers can realize significant savings – a total savings of \$56** in the example below that replaces an incandescent ceiling-mount fixture with an ENERGY STAR qualified model.

Expenditures	ENERGY STAR Qualified Fixture Replacement (one pin-based 30W bulb)	Incandescent Fixture (one 100W bulb)
Initial Investments (fixture cost)	\$40	\$30
Energy Costs	\$26	\$86
Bulb Replacement Cost	\$0	\$7
TOTAL COST	\$66	\$122

* Based on a 24W CFL with a life of 6,000 hours and a 75W incandescent with a life of 1,000 hours at \$0.085 per kWh.

** Based on a pin-based CFL life of 10,000 hours (about 7 years with average use of 4 hours per day) and an incandescent bulb life of 750 hours at \$0.085 per kWh, \$0.50 per incandescent bulb.

CHANGE TO ENERGY STAR QUALIFIED LIGHTING



Consider these benefits when purchasing ENERGY STAR qualified bulbs and fixtures.

Long Life – CFLs last anywhere from six to ten times longer than traditional incandescent light bulbs. Under typical use, that's about four to seven years! You save on utility bills and buy and replace bulbs less often. Note that, while nearly all ENERGY STAR qualified fixtures come with pin-based CFLs hard-wired for energy savings, some qualified outdoor fixtures offer their energy-efficiency benefits through the use of photocells and motion sensors, and are compatible with incandescent lighting in these cases.

High Quality - ENERGY STAR qualified fixtures and bulbs offer the same amount of light as incandescent or halogen lighting, while providing a true and natural color without the flicker, hum, or buzz of their infamous CFL predecessors.

Safety and Reliability - ENERGY STAR qualified lighting follows National Fire Protection Association (NFPA) guidelines for fire safety. CFLs are cooler to the touch. In fact, compared to incandescent lighting, ENERGY STAR qualified lighting produces up to 70 percent less heat. All lighting models are tested and meet strict specifications for energy efficiency and quality and come with a 2-year warranty.

Attractive Design and Convenience - ENERGY STAR qualified fixtures and bulbs combine attractive design with features created to make life

easier and match the décor of your home. Convenient features include quick-start, no-hum indoor models, indoor models with dimming or switching capabilities, and automatic daylight shut-off and motion sensors on outdoor models.

Same Amount of Light, Fewer Watts - ENERGY STAR qualified CFLs provide the same amount of light, or lumens, as traditional bulbs, but use a smaller amount of energy, or Watts. To find the right CFL for your needs, compare lumens on the packaging. For example, if you are looking for a light bulb that gives off the same amount of light as a 60W incandescent bulb, look for an ENERGY STAR qualified CFL that puts out 800 lumens or more (see table below).

Typical Light Output (Minimum Lumens)	450	800	1,100	1,600	2,600
Incandescent Bulb (Watts)	40	60	75	100	150

To locate a store near you that carries ENERGY STAR qualified lighting, use our store locator at www.energystar.gov under "Products." Simply enter your zip code, scroll down to check a product box, and click on "Locate Stores."

Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.

For more information, visit www.energystar.gov, or call **1-888-STAR-YES** (1-888-782-7937).



CHANGE FOR THE BETTER WITH ENERGY STAR