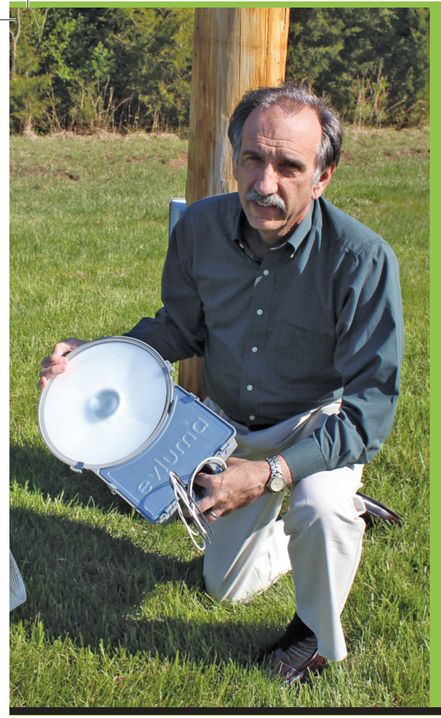


Increasing Energy Efficiency

Adams Electric is in the process of updating its area lighting fixtures to light-emitting diodes (LEDs). Over a three-year period, all mercury vapor and high-pressure sodium street and yard lights are being replaced.

LED bulbs use only 40 watts of electricity compared to more than 150 watts used by the older model bulbs. Also, the white light cast from the LED provides better color rendering qualities than the previous lights, which cast an orange/yellow light.

The switch to energy-efficient LEDs is due mainly to inefficiency. By replacing the aged fixtures with LEDs, the new lights will last up to 20 years without the need for maintenance.

If you are interested in installing a new LED area light, or would like more information on the upgrading process/schedule, call 717/334-9211 or 888/232-6732. There are startup costs associated with installation, and also monthly service fees.

To replace lights around your house with more efficient LED bulbs and fixtures, visit the co-op's online store at *adamsec.coop*, "My Links," "*energysavers.coop.*"

Find Your Savings

Boost your home's energy efficiency using Adams Electric Cooperative's Online Store. Shop for hundreds of items to make every room in your house more energy efficient!

Browse the online store from the comfort of your own home, and as an added bonus, members receive a 20 percent discount.

Visit *energysavers.coop* from a link on the co-op's website and check out the selection of light bulbs and other products to help make your home more energy efficient.

Energy Savers .coop
The Power of Cooperation

Disposal and Recycling of CFLs and LEDs

When your compact fluorescent light (CFL) bulb burns out, it is important to properly dispose of the used bulb. Adams Electric has established a recycling program for CFLs at its district offices. Residential members may drop off intact CFLs or LEDs that have been used for household purposes, in exchange for up to five replacement bulbs.

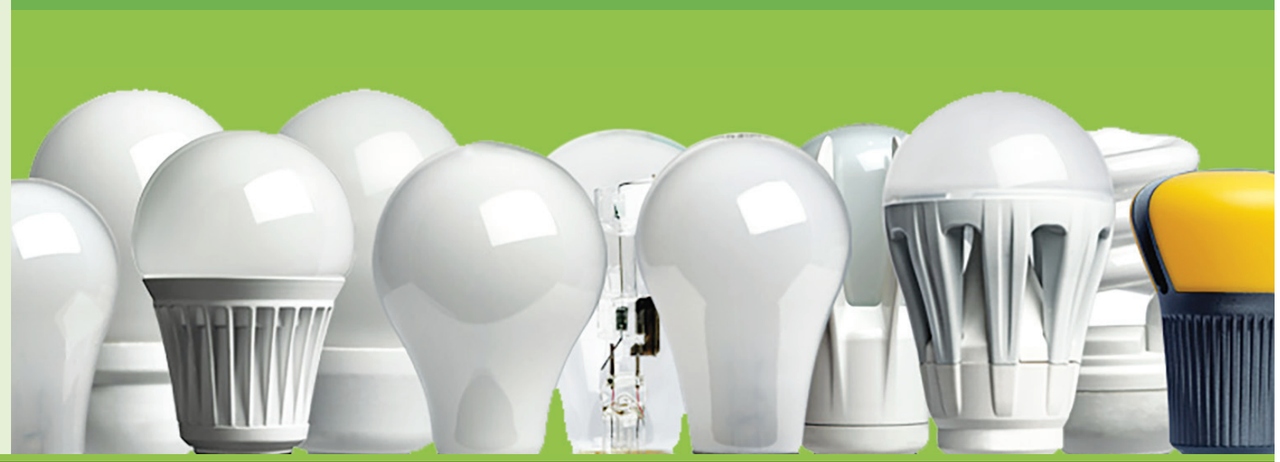
The limit per visit would be up to 10 CFLs for five LEDs. The exchange is one-to-one for a direct LED exchange.

Recycle your used, intact CFL bulbs at any Adams Electric district office location:

- 1380 Biglerville Rd., Gettysburg
- 10 Duncan Rd., Shippensburg
- 200 Trinity Rd., York

SEE THE LIGHT

MAKE THE SWITCH THAT SAVES



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WHAT ARE MY LIGHTING OPTIONS ?

Since 2012, government mandates have encouraged more efficient lighting options.

The three most common bulb options consumers will find on store shelves are...

HALOGEN INCANDESCENTS

Energy Savings:* 25%
Lifespan:* 3 times longer
Annual Energy Cost: $3.50

COMPACT FLUORESCENT LAMPS (CFLs)

Energy Savings:* 75%
Lifespan:* 10 times longer
Annual Energy Cost: $1.20

LIGHT-EMITTING DIODES (LEDs)

Energy Savings:* 75-80%
Lifespan:* 25 times longer
Annual Energy Cost: $1.00

LEARN MORE AT ENERGYSAVERS.GOV/LIGHTING

*As compared to traditional incandescent bulbs

Watts vs. Lumens

Since 2012, light bulb packaging has put an emphasis on measuring brightness in lumens instead of watts. As a general rule, to get the same amount of light output as an incandescent bulb, buy a compact fluorescent light (CFL) that is approximately one-fourth of the wattage. Purchasing a comparable light-emitting diode (LED) bulb is not quite as simple. See the chart below for a comparison.

	YOU USE TO BUY	YOUR CHOICES NOW		
LESS EFFICIENT → MOST EFFICIENT	Standard Incandescents	New Halogen Incandescents	CFLs	LEDs
LESS BRIGHT ↓ MORE BRIGHT ↑				
450 LUMENS	40W $5.34/yr	29W $3.87/yr	10W $1.34/yr	5W $0.67/yr
800 LUMENS	60W $8.02/yr	43W $5.74/yr	13W $1.74/yr	10W $1.34/yr
1100 LUMENS	75W $10.02/yr	53W $7.08/yr	16W $2.14/yr	15W $2.00/yr
1600 LUMENS	100W $13.36/yr	72W $9.62/yr	20W $2.67/yr	19W $2.54/yr
ENERGY USE / ENERGY COST PER YEAR				
	TYPICAL LIFE: 1 YR*	TYPICAL LIFE: 1 -2YRS	TYPICAL LIFE: 10 YRS	TYPICAL LIFE: 15-25+ YRS

Source: National Resource Defense Council

QUICK TIPS

- Shop for lumens, not watts. For the best energy cost savings, look for high lumens and low wattage. To calculate which bulbs are the most energy efficient, divide the lumens by the watts.
- Choose a color temperature. Generally soft lighting is used indoors and in small areas, and bright lights are used outdoors and in indoor task lighting.
- Be sure to get the correct fixture base. Most lamps have screw-in bases; however, many halogen lights will need to be replaced with a two-pin base.
- LEDs can last up to three times longer than CFL bulbs and 20 times longer than traditional incandescents. A typical LED bulb that burns three hours a day can last about 22 years before it needs changing.
- Unlike CFLs, LEDs contain no mercury, and a recent Energy Department study determined that LEDs also have a much smaller environmental impact than incandescent bulbs.
- Lumens/Watts = energy efficiency; Higher lumens = more energy efficient; Lower lumens = less energy efficient

Choosing an LED Bulb

A-line bulbs disperse light at a wide angle and are ideal to spread light throughout a room. LED A-line bulbs are most useful for area lighting, lamps and hallways.

Decorative bulbs resemble the shape of a candle flame and provide ambient and accent lighting. They are best used in decorative lighting fixtures, including wall sconces.

Spotlights concentrate light in a very small area to produce a bright spot of light. Spotlights are most useful as track lighting and overhead recessed lighting.

Flood lights cast a wider directional light than spotlights. Floods are ideal for recessed lighting, outdoor lights, landscape lighting, and motion-sensored lighting.

Globe lights emit light in every direction, which makes them great for general lighting with lamps, vanities and pendant lights. They are best used in hallways or near doorways.

Touchstone Energy®
Kids Zone
www.kidsenergyzone.com

Learning about energy has never been so easy and fun! Visit *adamsec.coop* and let LED Lucy and CFL Charlie teach your kids about energy and energy savers!

There is something for everyone at Touchstone Energy's Kids Zone. Kids, test your energy-saving knowledge with fun games, learn easy ways to save energy, and fast facts about saving energy and staying safe. Parents and educators, check out the Teaching Zone where you can find lesson plans and additional resources to help educate future generations.