



## LED Lighting Program

In recent years a new option for lighting your home has emerged, the light-emitting diode (LED) bulb. LEDs have many advantages over incandescent light sources including lower energy consumption, longer lifetime, improved physical robustness (they don't break as easy), and faster switching. The following table provides a comparison of LEDs, compact fluorescent lights (CFLs), and incandescent light bulbs.

<b>LED, CFL, Incandescent Comparison for 60 Watt Equivalent</b>			
	LED	CFL	Incandescent
Light bulb projected lifespan	50,000 hours	10,000 hours	1,200 hours
Watts per bulb for an equivalent to a 60 watt standard bulb)	10	14	60
Approximate cost per bulb	\$6.95	\$2.95	\$1.25
Energy in KWh of electricity used over 50,000 hours	500	700	3000
Cost of electricity (@ \$0.075/KWh)	\$37.50	\$52.50	\$225.00
Bulbs needed for 50,000 hours of use	1	5	42
Cost of buying bulbs for 50k hours of use	\$6.95	\$14.75	\$52.50
Total cost for 50,000 hours	\$44.45	\$67.25	\$277.50

You can see by the table, use of these bulbs can save you money over time. To get customers started using LEDs and saving energy, the Power District is making available to its residential customers in Lincoln County, one 60 watt equivalent, daylight (5000K), A19 Energy Star, dimmable, LED light bulb each year. Although energy savings will vary depending upon use, at 3 hours of daily use, each 10 watt LED bulb will result in an energy savings of nearly 55 KWh per year for each incandescent bulb replaced.

### Using Your LED Bulbs

LED bulbs fit the same size light socket as a standard incandescent light bulb. LED bulbs work well outdoors and do not require any warm up time. They can be used in dimmable light fixtures. LED bulbs are good for porch, patio, or other outside lights that are left on all night long and will not need replacing for several years.

### Getting the Greatest Benefit from Your LED Bulbs

The 10 watt LED bulb you receive will provide approximately the same light as a 60 watt incandescent (standard) light bulb. To get the greatest energy savings benefit, select the 60 watt light you have on most in your home and replace the bulb with the LED bulb. Turn on the light, and start saving.

### Getting Your LED Bulbs

Stop by the Power District office and ask for a 10 watt LED bulb. Yours is waiting here. It's as simple as that.