

Energy Conservation

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Renewable Resources

Energy Efficiency

Bright Futures

Logan City, United

# Kill-A-Watt News

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Energy Conservation  
Advisory Board



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## What CFLs Can Do For You *By Laraine Swenson*



Three years ago my impression of compact fluorescent

bulbs included the adjectives industrial-looking, and uninviting. I didn't choose to put them into

our new home. Energy issues were barely entering my peripheral vision and fuel prices hadn't yet affected behavior or lifestyles in Cache Valley. Now that picture has changed, particularly in the last 12 months. Every media periodical features a "green" article and energy costs are

a reality that has impacted all of us.

Last year I decided to try a compact fluorescent bulb or two and see if they were tolerable. I'm pleased to report that not only are they a comfortable change, but our home is nearly converted and we

[See "CFLs" on Pg. 2](#)

## Take The "Replace 8 and Save" Pledge

This summer, Logan City Environmental Department launched the "Replace 8 and Save" pledge drive campaign. Logan City Light & Power customers who agree to take the pledge to replace 8 incandescent light bulbs with 8 CFLs will receive a free CFL to help get them started.

So far, 251 customers have taken the pledge at various events held throughout the summer. If all 251 residents who signed the pledge follow through with their

promise to replace 8 light bulbs, collectively they will have saved nearly \$10,000 in annual energy costs and enough energy to power 17 average Logan homes for one year.

Our goal is to have 1000 residents sign the pledge this year. If we meet this goal,

we will see an annual savings of 411,720 kilowatt hours (kWh) of electricity or, enough to power almost 70 homes for a year. Even if 1,000 people take the pledge and only replace one bulb each, the cost of this conserved energy is right around \$.01 per kWh, less than what Logan City pays for wholesale power.

If you are a Logan City Light & Power customer and would like to take the "Replace 8 and Save" pledge, please call 716-9792 or come to the Logan City Environmental Department at 450 N 1000 W in Logan.



Jaime Ericksen & Emily Malik at the "Replace 8 and Save" pledge drive booth on pioneer day.



### Inside This Issue:

- *Laraine Swenson's experience with CFLs*
- *"Replace 8 & Save"*
- *LED Traffic Lights*
- *CFLs & Safety*
- *Tips for commercial customers.*

## CFLs

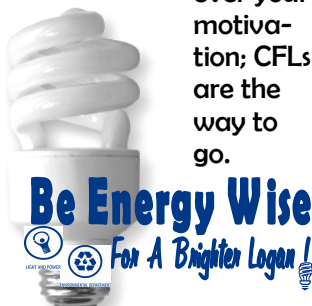
Continued from pg. 1.

are realizing the savings that come with CFLs – an 18% annual savings on our power bill. My husband, the statistician in our family, calculated our usage for the last 12 months as compared to the previous year. Savings each month on our electric bill varied from 8% to 30% with an annual average of 18% per month or a savings of \$1.16 per day and an annual savings of \$423.00. The rapid payback of converting

to CFLs makes them the low hanging fruit of energy conservation and we can personally attest to the results. Recent improvements in CFLs provide the options of a warmer colored light, smaller size and bulbs that can be shaped like incandescents. Prices on the bulbs have come down and, with a life-span of 5 to 10 years, the savings over the life of a bulb are sig-

nificant. In addition to these benefits, replacing one 75-watt incandescent with a 19 watt CFL can cut carbon emissions by 55 lbs per year. Going Green or saving on your power bill – what-

ever your motivation; CFLs are the way to go.



### A CFL For Every Light Fixture

The above photograph shows examples of the many types of energy saving light bulbs on the market today. From left to right: bug lights, ultra compact CFLs, enclosed CFLs, bathroom vanity CFLs, fan CFLs, recessed can CFLs, 3-way lamp CFLs, and dimmable CFLs. All are sold for under \$15/ bulb at local stores.

## COMPACT FLOURESCENT LIGHT BULB RECYCLING!

At the Logan City Landfill Household Hazardous Waste Facility



- FREE for all residential customers
- The mercury is reclaimed and reused
- Most other parts of the CFL bulb are recycled

Place spent bulbs in a sealed bag & bring them to our facility at

1450 W 200 N in Logan  
435-713-6686



## Are Compact Fluorescents Safe?

Many Logan City residents have expressed concern about the safety of compact fluorescent lamps (CFLs). All CFLs contain trace amounts of mercury, less than 3 to 5 mg per bulb. Mercury in CFLs is harmless as long as the bulb remains intact.

The EPA recommends the following steps to keep you safe when cleaning up a broken CFL.

1. Ventilate the room for 15 minutes. Remove people

and pets from the area.

2. Using rubber or latex gloves, carefully gather up the ballast and broken glass. Use stiff paper or paper towels to wipe up the smaller pieces. Use the sticky side of heavy duty tape to wipe up powder or small bits of glass. Do not sweep. Ventilate the room the next several times you vacuum & wipe out the bagless canister and/or discard the vacuum bag in a sealed double bag.

3. Place all cleaning supplies, gloves, &/or contaminated items in a sealed double bag and place it in your household garbage. Place the broken bulb debris in a sealed double bag or sealed glass jar and take it to the Logan City Household Hazardous Waste Facility. For more information, please call the Environmental Department at 716-9792 or go to the EPA website and search for CFLs ([www.epa.gov](http://www.epa.gov)).

## New LED Traffic Lights



Logan City has already changed many of their traffic lights from conventional 110 W incandescent lamps to 11 W Light Emitting Diode (LED) lamps. The city is working on changing a remaining 9 intersections to LED lamps. Converting just these nine intersections will save Logan City 62,270 kilowatt hours of electricity annually, that's over \$3,000 in savings. LED lamps also last longer than incandescent traffic lights resulting in lower maintenance and repair costs.

## Tips for Commercial Customers

Here are easy, low cost actions commercial customers can implement to help them save energy and money.

1. Turn off lights and equipment when not in use.
2. Use sunlight to illuminate your work spaces, if it is available.
3. Replace incandescent light bulbs with compact fluorescent lamps.
4. Install LED (light-emitting diode) EXIT signs. They last longer and are 90% more efficient.
5. Install sensors to automatically turn off lights when no one is in the room.

6. Install programmable thermostats.
7. Purchase ENERGY STAR office equipment.
8. Turn off computers at the power strips on evenings and weekends.

### CORRECTION

It was mistakenly reported in issue number one of *Kill-A-Watt News* that Laraine Swenson had spearheaded the Renewable Energy Board. In actuality, it was Joseph Needham who was responsible for forming the Renewable Energy Board.