



PLUG YOUR ELECTRICITY AUGUST ENERGY ACTION SHEET

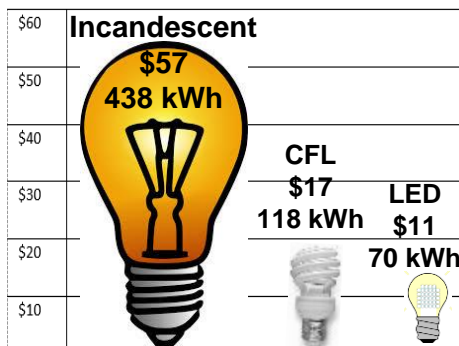
This month's projected annual savings: up to \$57; 1.3% of energy use

This month, slash your electricity use and save with these actions.

- Switch from incandescent to LED lightbulbs. **Incandescents use five times more energy. In two years, a single LED can save you \$45.**
- Replace your pre-2001 fridge. **It can save about \$70 each year – if the new one is energy-efficient.** See that your fridge is well-sealed. If you have two, consider giving one away.
- When they're not in use, turn off bathroom and stove exhaust fans and appliances that use lots of energy.

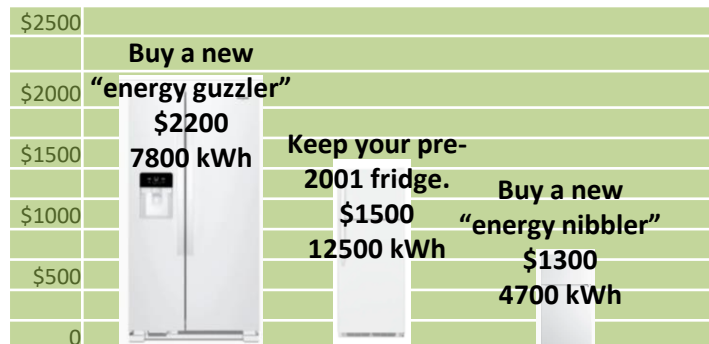
These graphics show how much is saved by upgrading to LEDs and replacing a pre-2001 fridge with one that's energy-efficient.

**Lightbulb for Two Years:
Total Cost & Energy Use**



Total cost = purchase price + operating costs. One lightbulb, 1600 lumens, six hours per day, two years, \$.12 per kWh

**Fridge for Thirteen Years:
Total Cost & Energy Use**



Total cost = purchase price + operating costs. Energy guzzler: 21.4 cu ft, side-by-side freezer/ fridge, water & ice dispenser, and icemaker. Energy nibbler: 18 cu ft, freezer on top, no icemaker, ice or water dispenser



References available upon request from CreationCarePartners@gmail.com. This info sheet employs the Task of the Month concept developed by Dr. Stephanie Kimball for Earth Care, an affiliate of Hoosier Interfaith Power & Light.

HOW TO DO IT

LIGHT FOR LESS WATTS.

This table can help you choose the right lightbulbs. For each level of brightness (lumens), it shows the watts-rating for each type of bulb.

Lumens	800	1100	1600	2600
Incand.	60 watts	75 watts	100 watts	150 watts
CFL	15 watts	21 watts	27 watts	42 watts
LED	10 watts	12 watts	16 watts	23 watts

michaelbluejay.com/electricity/lighting.html

REVISIT YOUR FRIDGE.

Save by:

- replacing a pre-2001 fridge with a new energy-efficient fridge that
 - is no larger than 20 cubic feet,
 - has the freezer on top of the fridge (not a side-by-side model) and
 - does **not** have an ice maker or water or ice dispenser.
- making sure your fridge is keeping in the cold. Check with [the dollar bill test](#). If it's not, [repair it with silicon caulk](#) or [petroleum jelly](#) or [replace the gasket](#).
- selling or recycling your second fridge. Do you actually need it?

TURN IT OFF. IF IT'S AN "ENERGY HOG", TURN IT OFF COMPLETELY.

Energy hogs use a lot of electricity, sometimes even when they're in standby or screensaver mode – including large screens, laser printers, TVs, cable boxes, and gaming consoles. [Power strips](#) can turn them off completely.

Stove & bathroom exhaust fans expel heated or cooled air to the outdoors: using them for longer than needed is a waste. If possible, put them on **timers** – [here's how](#).

Exterior lights - For these, **motion sensors** make great energy and financial sense.

Estimated Annual Savings	Energy Footprint	Financial
Replace 8 incandescent light bulbs with LEDs.	1.0%	\$33
Replace a pre-2000 refrigerator with an EnergyStar® model	0.6%	
Completely shut off electronics when not in use.	0.7%	\$24

Savings are based on \$0.12/kWh electricity for a 3-person household.



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