

Bright Ideas for a Better World

- Compact fluorescent lightbulbs (CFL) save money, energy, and help power plants reduce the amount of air pollution and greenhouse gasses emitted into the atmosphere.
- CFLs last up to ten times longer and use at least 2/3 less energy than standard incandescent bulbs. They may cost a little more up front, but over the course of its lifetime, each CFL may save you \$30 or more in energy costs.
- A CFL also generates 70% less heat than a regular bulb, using more of its energy to generate light.
- Carbon dioxide (CO₂) is a major greenhouse gas that is causing global warming and global climate change. Each CFL saves 450 pounds of CO₂ from the atmosphere.

Imagine if you changed all the lights in your home!

Find Out More

Search the web and other sources for reliable information on global warming, global climate change, greenhouse gasses, new lighting technology, using LEDs, and compact fluorescent bulbs.

Our resources include:

ENERGY STAR, www.energystar.gov

CA Energy Commission Consumer Energy Center
www.consumerenergycenter.org/lighting/change-light

Mercury in Energy-Saving Bulbs Worries Scientists,
Lisa Von Ahn, Reuters, March 28, 2007

Pima County Department of Environmental Quality
150 W Congress St., Tucson, AZ 85701-1317
(520) 740-3340 www.deq.pima.gov

Board of Supervisors

District 1 – Ann Day
District 2 – Ramón Valadez
District 3 – Sharon Bronson
District 4 – Ray Carroll
District 5 – Richard Elías, Chair

County Administrator
C.H. Huckelberry



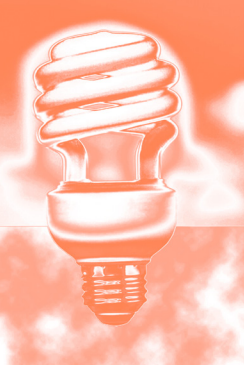
Printed on recycled paper. Please recycle.

07/08

Change a Light Change the World



An Energy Star Challenge at www.energystar.gov



Changing Bulbs to Changing Habits

It's not about everyone doing everything they possibly can to reduce greenhouse gasses.

It's about *everyone* doing *something*!

Switching to compact fluorescent lightbulbs (CFL) is easy, makes sense financially, and saves a tremendous amount of energy, which reduces CO₂ levels, and can reduce global warming. Beyond switching to energy saving light bulbs, there's lots more that people can do.

Doing Something Helps

- Drive less: walk, ride a bike, carpool, take the bus, combine errands into one trip.
- Conserve energy: turn off lights when you leave the room; unplug charger and other electronics that use electricity even when off; use energy efficient appliances; be thrifty with air conditioning and heating.
- Reuse items like water bottles and cloth shopping bags instead of using disposables.
- Plant trees to shade your home.
- Take shorter, cooler showers.
- Avoid idling at drive-thru windows, railroad crossings, and school parking lots.
- Buy locally grown food.
- Buy and use recycled items.

Too Much of a Good Thing

While awesome for energy-saving benefits, CFLs contain small amounts of mercury. Mercury is known to cause serious health effects, such as damage to the nervous system, kidneys, and liver.

Electricity use is the main source of mercury emissions in the U.S. due to coal-fired power plants. CFLs use less electricity than incandescent lights, and, therefore, actually reduce the amount of mercury being put into the environment.

Check out www.energystar.gov for more information, and details on how to deal with broken CFLs. Check store shelves for household LED lights. LEDs provide even more energy savings, without mercury.

Disposing of CFLs

Bring your expired or broken CFLs to the Tucson/ Pima County Household Hazardous Waste Program.

Main Site open every Friday and Saturday from 8 A.M. to 12 P.M.

2440 W Sweetwater Drive, 888-6947
West of I-10 and North of Prince Rd.

Satellite Sites open the first Saturday of every month from 8 A.M. to 12 P.M.

- Eastside City Hall, 7575 E Speedway
- Tucson Water Plant 2, 1102 W Irvington
- Park & Ride Parking Lot, Ina Rd, one block west of Oracle

Click on www.tucsonaz.gov/hhw for information, to confirm locations, and for a list of other items they accept.