



# DR. WATTS' BRILLIANT SAVINGS

## Mother Knows Best!

### Small changes = Big savings

Listen to your Mother!! "What do you think — we own the electric company?!?"

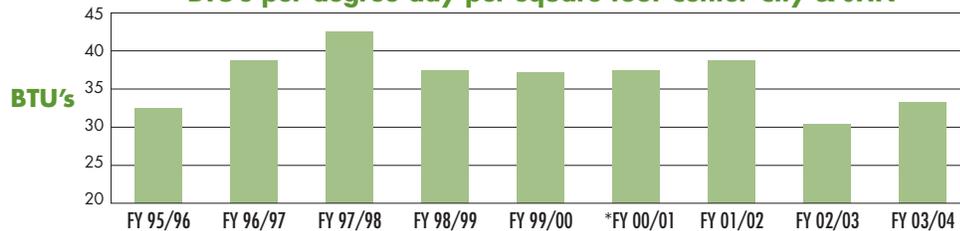
Turn OFF everything at home that is not in use — lights, TVs, computers, etc. Don't leave the room with the TV still playing to an empty space. Keep doing the Philly Flip!

Both Mom, the environment and your checkbook will all love you!



## Real Progress

BTU's per degree day per square foot Center City & JHN



The graph above shows energy use on campus, corrected for variations in weather, over the last 9 years. Note the steep increase in our energy use in FYs 96, 97 and 98.

Our Energy Efficiency Program began in 1997 and its impact is shown in FYs 99, 00 and 01, as the increase in campus energy use was arrested. And, despite adding 925 Chestnut Street and JHN in 2001, the efforts of all of us, working together, and the installation of energy saving equipment have driven energy use down over the last two years.

Our Program, which incorporates all of the suggestions forwarded by you, our readers, is really beginning to show results. However, the growth in energy-using equipment on campus continues unabated, as research programs, lab equipment and the number of computers continue to grow.

We need your help. Look around you and notice those things that are using energy. On campus, apply the same logic as Mom at home, cited at the top of this newsletter — if no one is using it or needs it, ask yourself "why is it ON?".

Shut fume hoods and incubators OFF when not in use. And remember, the lights should be turned OFF when everyone's leaving to go home. The last one out must remember to do that Philly Flip!

Do you notice waste? If so, call me and we can pursue the issue. And you may well win a \$100 bill for your willingness to help Jefferson and the environment! Let's continue to drive energy use on campus down — way down! It can only help each of us.

## Energy Myths Debunked!

**Energy Myth #5:** It is more energy efficient to leave your computer running when not in use.

**The Facts:** Anytime you can turn your computer OFF, it will save energy. However, turning the computer OFF and ON several times a day may cause excessive wear and tear and shorten its life. Most computers now have energy-saving "sleep" features that save energy when the computer is not being used.



**GO FOR IT!**



# On the Home Front

## Be Cool!

The Alliance to Save Energy (ASE) and Procter & Gamble are challenging each of us to switch to washing clothes in cold water to save both money and energy. In fact, switching to cold water for washing clothes can save each of us about \$60 to \$90 annually, depending on whether we use natural gas or electricity to heat our water.

ASE (and us!) urge you to accept the Challenge and save energy, money and the planet. Tide will even send you a free sample of Tide Coldwater to get you started. Tide Coldwater is also donating \$100,000 to the National Fuel Funds Network, a group that assists state and local groups helping low-income families pay their energy bills. Check out the Challenge at [www.coldwaterchallenge.com](http://www.coldwaterchallenge.com).

## Keep Pluggin' Away!

Please sit down. You may not be ready for this statistic, folks — there are five battery chargers for every man, woman and child in this country.

Together, these chargers total 1.5 billion power adapters that are plugged in daily for our cell phones, digital cameras, laptop computers and MP3 players. These battery chargers tend to be very inefficient. Their collective energy bill runs an astounding \$17 billion annually.

An adapter that has earned the Energy Star mark uses 35% less energy than conventional models. In addition, they're frequently lighter and smaller in size, which makes it easier for consumers to transport products like laptop computers. Check out [www.energystar.gov/index.cfm?c=prod\\_development.external\\_EPS\\_program](http://www.energystar.gov/index.cfm?c=prod_development.external_EPS_program) for more details.

You could also use a solar-powered battery charger to fire up small electronic products, such as cell phones and iPods. Better Energy Systems makes a nifty charger called "Solio" that you expose to the sun's rays instead of plugging it into an outlet in order to charge that PDA, etc. (\$100 to \$120; [www.solio.com](http://www.solio.com)). Music, powered by the sun — a great idea!

## Bright Ideas

And the Winner Is...



Lokesh Agrawal, Research Associate, Department of Pathology, the winner of the \$100 award for best suggestion is seen here holding a lighting control sensor for his suggestion to install automatic lighting control devices in common areas (conference rooms, bathrooms, etc.) to turn off lights when they are unoccupied. Congratulations Lokesh!



Don't stop looking for ways to cut energy use around here. We need your input and are counting on you. We're also counting out the bucks — don't forget, we'll be awarding a \$100 bill to that person who submits the best idea for cutting energy use on campus.

### The Future

Did you know that Pennsylvania is the largest producer of wind powered electricity east of the Mississippi?

**Look around your area and observe operations, develop a good idea to lower energy use and then call me, Randy Haines at 503-6099 or email me at [randolph.haines@jefferson.edu](mailto:randolph.haines@jefferson.edu).**

### Savings at Work – Center City Campus

Oct-Dec 2004	Budget	Actual	Prior Year Actual
Electricity	\$1,736,000	\$1,657,938	\$1,651,195
Steam	1,502,000	1,533,060	1,408,601
Water	283,000	195,614	163,326



Look for the EPA's Energy Star label on products that use less energy, save you money on your utility bills and help protect the environment.



Recycled/Recyclable  
Printed on paper that contains at least 20% post-consumer recycled fiber