

DR. WATTS' BRILLIANT SAVINGS



Find your inner SEER

Spring is a wonderful time of year – flowers bloom, the weather's warmer and the Phillies begin another season (well, perhaps springtime is not totally wonderful). As temperatures climb, many of you will be installing central air conditioning or window air conditioners in your homes.

Make sure that you buy the proper size system or unit. Many folks think a larger-than-necessary system or air conditioner will run less, saving them money. Not true – a larger-than-needed unit will simply work harder by quickly meeting the cooling load and then shutting down.

Machinery operates inefficiently whenever it remains OFF for long periods and then is ON for short periods. Have a qualified, licensed contractor use a size-calculation tool to determine the best size air conditioner for your home. And look for a unit with a high Seasonal Energy Efficiency Ratio (SEER). Let SEER be your guide to energy savings.

SEER ratings for air conditioners now extend to a SEER of 21. At the minimum, seek a SEER of at least 13. The additional money spent for a system or unit with a high SEER will be recovered in about 3.5 years. And, since central air conditioners last 18 years, on average, you'll be saving money for a long time.



Electric Rates Going Up!

At the New Year, our electric rates went up again. Please, let's be alert to ways we can drive down our use of electricity.

For example, lights remain ON in too many spaces when everyone leaves for the day. Frequently, these lights remain ON through the night and are ON when everyone reports to work the following day. Unless it's a Friday and then the lights remain ON through the weekend! I know that we can do something good here.

Thinking that we don't pay the electric bill is a misconception.

We all have a stake in stopping energy waste on campus. Step up and take responsibility.

Please report all such waste. And win your C-note!



Energy Myths Debunked!

Energy Myth #8: If your ancient furnace or boiler just died, and it did a good job at keeping your house warm all those years, insist that the new model be the same size as the old model.

The Facts: If the heating contractor looks at your old model and then suggests putting in the same size, take your business elsewhere. Insist that the contractor do a heat loss analysis of your house to properly size the new heating system. Old systems are typically oversized by a large margin. Although an oversized unit ensures that the new unit will provide sufficient heat, it also ensures that this unit will operate inefficiently.

Do the Philly Flip!



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On the Home Front

Healing Our Environment

Five more steps that you can take to undo global warming are listed here. Take heed and act.

- #11 Ask your utility company for a home energy audit to find out where your home is poorly insulated or energy-inefficient.
- #12 Whenever possible, walk, bike, carpool or use mass transit.
- #13 When you buy a car, choose one that gets good gas mileage.
- #14 Reduce waste; buy minimally packaged goods; choose reusable products over disposable ones, recycle.
- #15 Use your most fuel-efficient vehicle for most trips and the larger, heavier, less fuel-efficient one only when needed.

The Greening of the Dorrance H. Hamilton Building

The newest addition to campus, the Dorrance H. Hamilton Building, will feature several innovative ideas to lessen the building's impact on both our environment and campus energy use. For example, rainwater will be collected in a 20,000-gallon tank and used for watering the grass and trees surrounding the building. Sensors installed on the grass will control the watering during wet periods. Rainwater collection also alleviates the strain on the city's storm sewers and wastewater treatment systems.

Sophisticated lighting controls deployed throughout the building include occupancy sensors to turn lights OFF when a room is unoccupied and the use of sun light rather than artificial light whenever possible. The foot lighting throughout the building's plaza will be extremely efficient light-emitting diodes (LED). These LED lamps will last 10-20 years. (Note – all the red traffic lights throughout the City are LED.)

Bright Ideas

And the Winner Is...



Michael Angelo, MA, University Archivist, has received the \$100 energy award for his idea of soliciting Jefferson volunteers to become "Energy Awareness Officers" for their floor or department. More information will follow from Michael.



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

Pennsylvania Approves PECO Merger

In January, the Pennsylvania Public Utility Commission approved the merger between PECO Energy's parent company Exelon Corporation and New Jersey's PSEG. The merger will create Exelon Electric and Gas, which will be the nation's largest utility company, with \$79 billion in assets and a service area encompassing 18 million residents in Illinois, Pennsylvania and New Jersey.

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.

Savings at Work – Center City Campus

Jan-March 2006 Actual	Budget	Actual	Prior Year
Electricity	\$1,590,000	\$1,806,524	\$1,546,849
Steam	2,230,000	2,818,181	2,259,738
Water	245,000	248,752	215,108



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