

# New Metering Technology



At PECO, we put our energy into keeping the lights on and gas flowing, and helping customers save energy and money.

To do this, each year we continue to invest in our system to serve our customers better. Just like our customers replace equipment in their homes and businesses, in 2012, we began replacing our current meters with newer technology.

It's all part of our ongoing efforts to provide more information to help you understand how you use energy, and how to save energy and money.

## What is happening and when?

In 2012, we began replacing our current electric meters with newer metering technology. We expect to upgrade metering technology for all customers by the end of 2014.

## How does it benefit you?

These new meters will help us provide more information to help you understand how you use energy, and how to save energy and money. For example, we launched an interactive website that shows you how and when you use energy, and what steps you can take to use less energy and save more money.

## We are also able to:

- More quickly connect or disconnect service—providing faster, more convenient service for customers who are moving in, out or around the neighborhoods we serve; and quick support to local fire departments and other officials during an emergency.
- Identify potentially dangerous situations like tampered meters and theft of electricity.
- Detect problems faster and have more information—helping us deploy our field forces more effectively.
- Provide the platform for future new products and services to customers.

Along with this effort, PECO also continues to invest in our energy delivery system. Each year we install more pieces of advanced equipment to identify and correct problems before outages occur or, if an outage does occur, reroute power to restore service faster.

## Still Have Questions? We Have Answers...

For more information, visit [www.peco.com/technology](http://www.peco.com/technology) or call 1-800-494-4000.



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technology](http://www.peco.com/technology)

## Other Helpful Information

### **CAN I REQUEST TO GET A METER SOONER THAN PLANNED?**

The new meters are being installed in local communities based on important criteria including the completion of upgrades to PECO's local electric delivery network, local demographics and topography, and other system opportunities. For \$17, customers can request to receive a meter earlier than planned.

**DO I HAVE TO GET A NEW METER?** Yes, this project is part of Pennsylvania's 2008 Act 129 which requires utilities state-wide to install new metering technology for all customers.

**HOW CAN I USE MY ENERGY INFORMATION?** With this system, we will be able to provide you more information about how you use electricity. This information is not new to PECO. Unlike other utilities across the country moving from a manual system to fully automated digital system, all of this information has been available to PECO for more than a decade through our current metering system. Essentially, the difference with this new technology is our ability to provide the information to you.

Once you know a bit more about how you are using energy, you can make changes in your home to take control of your energy use and save energy and money.

### **HOW WILL YOU KEEP MY ENERGY USE INFORMATION PRIVATE?**

Your security is one of our top priorities. That is why our completed system will be a physically secured, PECO-owned, private, encrypted, fiber optic and wireless system—ensuring the privacy and security of your energy usage information.

**WHAT ABOUT RADIO FREQUENCY?** Each day all of us are exposed to both natural and man-made radio frequency (RF) energy. Did you know that the earth's surface and even our own human bodies produce RF?

Many factors impact RF levels including distance, location (is the device outdoors or located behind a wall or other structure?) and amount of use. These meters will only transmit less than one second every 90 minutes and during emergencies.

The total volume of RF associated with the new meters is lower than our current meters. It is extremely low—much lower than many common household devices including cordless phones, cell phones and microwaves (*see below*).

Levels of RF are measured in milliwatts. And the Federal Communications Commission limits exposure to RF at 1 milliwatt per square centimeter.

## AVERAGE RF LEVELS\*



**METER**  
**0.00037 milliwatt**  
per square centimeter



**MICROWAVE OVEN**  
**0.0047 milliwatt**  
per square centimeter



**CORDLESS PHONE**  
**0.12 milliwatt**  
per square centimeter



**CELL PHONE**  
**0.19 milliwatt**  
per square centimeter

\*Based on FCC standard which averages exposure during 30 minutes of use.