

# Watts New

## The end of the incandescent bulb?

In 2007, Congress passed a law requiring greater energy efficiency standards for most light bulbs. As a result, less efficient bulbs, including most traditional incandescent bulbs, will be phased out. Incandescent lamps will be phased out as follows: in 2012, the 100-watt bulb will no longer be available; in 2013, the 75-watt bulb follows; and in 2014, the 60- and 40-watt bulbs would be eliminated. Store shelves will gradually be stocked with compact fluorescent lamps (CFL's) or light-emitting diodes (LED's).

In preparation for the phase-out, Henry County REMC has offered a FREE Bulb Exchange Program to members over the last three years to help make the change. Participation is easy. Simply watch this newsletter for bulb exchange coupons and follow the details to receive FREE CFL's. We also have an E-newsletter that contains coupons for those members who wish to share their e-mail address.

For the 2012 year, we have CFL's still available; however, supplies will be limited. We expect to complete the Bulb Exchange Program by the summer of 2012.

Lighting accounts for 20 percent of a home's electric bill, and making the change will lower your energy bill. Start saving today!

## CFL Coupon

Fill out this coupon and bring it to REMC along with 3 incandescent bulbs and receive 3 CFL's absolutely free.

Acct. #: \_\_\_\_\_ Name: \_\_\_\_\_

Ph: \_\_\_\_\_ Cell Ph: \_\_\_\_\_

Give us your e-mail and we will send you helpful energy saving tips!

Email: \_\_\_\_\_

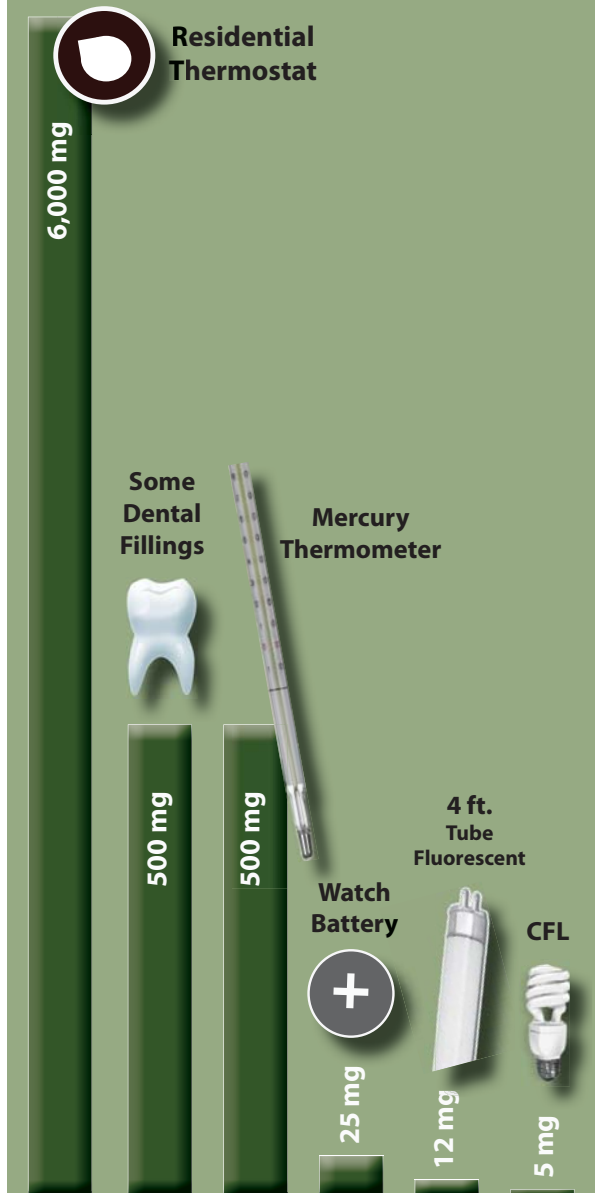
CFL options (limit 3 per coupon):

*Incandescent equivalents shown below.*

Qty: _____ 60W soft	Qty: _____ 60W bright
Qty: _____ 75W soft	Qty: _____ 75W bright
Qty: _____ 100W soft	Qty: _____ 100W bright
Qty: _____ 65W flood lamp soft	Qty: _____ 65W flood lamp bright
Qty: _____ 15W chandelier lamp	Qty: _____ 40W chandelier lamp

## Comparing Mercury Content?

Compact fluorescent lamps (CFLs) contain tiny amounts of mercury, and they're not alone. Many common household items also contain mercury. For recycling tips visit [www.epa.gov/cfl](http://www.epa.gov/cfl).



Source: ENERGY STAR, Natural Resources Defense Council

### Member Service

Ph: (765) 529-1212 • Mon. - Fri. 7:30 a.m. to 4:30 p.m.

### Website

[www.HenryCountyREMC.com](http://www.HenryCountyREMC.com)

## Students learn real world lessons through LED project

Calmer. Brighter. Clearer. Cleaner. Energizing. These were just a few adjectives students at a Henry County REMC- served high school used to describe the newly developed light-emitting diode (LED) fixtures installed in their classroom as part of a Hoosier Energy field test. Hoosier Energy is the wholesale power supplier for Henry County REMC.

Students and faculty at Blue River Valley Junior-Senior High School took part in various tests that included energy consumption, light output, light quality, power distortion and more. Outsourced Innovation consultant Martha Carney approached Hoosier Energy earlier this year with the idea of having students become part of a project testing LED lights at a local school.

Electric cooperatives on the Hoosier system were asked to look for a school that would take part in the project, allow students to participate in the testing and demonstrated an interest in new technologies.

"Overall, we were looking for a high school that had a highly engaged teacher who could get students interested about LED lights - how they work and their value to various home and business applications," said Hoosier Energy Marketing Coordinator, Wes McFarland. "This unique opportunity at Blue River Valley Junior-Senior High School gives students an exposure to new technologies, real life application of scientific testing, experience with professional testing equipment and interaction with lighting and energy experts."

Blue River Valley science teacher, Ben Buehler, was very interested in LEDs and was eager to take on the challenge and opportunity. Buehler stated, "Most of my students started the project wanting to see how much money could be saved with the new LED lights. As this project progressed, they collected data that suggested the lights also had an impact on energy conservation, pollution and student mood in the classroom. They tackled a real world situation that was much harder, but more rewarding to solve than problems in our textbook. In addition to learning about LEDs, my students definitely have a much better idea about what really has to occur each time they flip a switch and consume energy."

In order to conduct a lighting study on the new LED lights, two identical classrooms were used for the project. One classroom had newly installed LED lights



*Senior Jacob Evans and Martha Carney from Outsourced Innovation.*

and the other had conventional fluorescent 4-foot tube lighting. Students observed and assisted lighting engineers with testing, comparisons, energy measurements and scientific and subjective tests. Senior Jacob Evans had a vested interest in the project with plans to study energy engineering in college next year.

"I have a real interest in energy and efficiency, so it's nice to be a part of something that's going to make a difference, even in high school," Evans said. "I'm impressed by the LED lights. It's a neat technology."

"The project value to the students is they have the ability to take action to reduce their school's energy costs through hands-on learning," said McFarland. "Lighting is a significant energy cost for schools. Reducing electricity usage for lighting even more with LED technology will help reduce operational costs." Buehler and his students were so intrigued with the lighting project that they decided to take the energy savings data from the study along with other ideas on how to save money at Blue River Valley to their school board.

Henry County REMC Marketing Coordinator Lara Sullivan said, "The school has seen first hand the cooperative difference and our efforts to promote energy efficiency and teach the younger generation about our industry. After all, knowledge is power, and power is our business. It was interesting to see the direction Buehler and his students took after exposure to this project. We are happy to witness how this learning opportunity has affected area students."

Lighting data will be collected throughout the school year. Once the study is complete, information regarding this project can be found at [HenryCountyREMC.com](http://HenryCountyREMC.com).

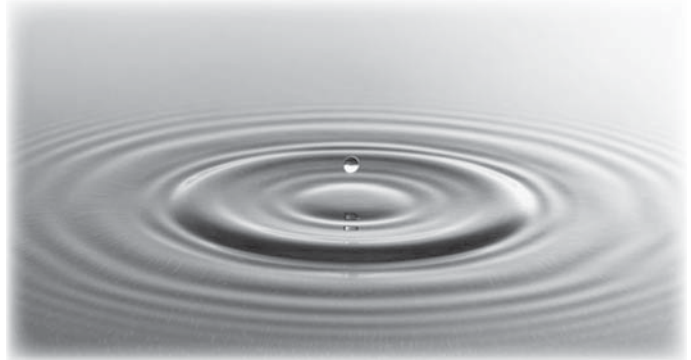
## Read this; it could save your life.

Winter driving is a challenge, not only negotiating snow and slush, but also trying to avoid skidding off the pavement when you encounter an unseen patch of ice. When cars and trucks leave the pavement because of poor winter driving conditions, tragedy can be compounded if utility poles are hit and overhead power lines come down.

Hitting a utility pole is not limited to drivers of a particular age and can happen to anyone. Ensure that all drivers in your family know what to do around vehicle accidents and power lines.

It is best to remain in the car and call for help; however, if you must get out because of fire or other danger, jump clear of the vehicle without touching it and the ground at the same time. Then hop with feet together -- don't run or stride. Electricity spreads out through the ground in ripples, like a stone dropped in water. The voltage is highest in the ring closest to the vehicle and decreases with distance. Hop with feet together so that one foot won't be in a higher voltage zone than another, which could make you a conductor for electricity!

If the power line is still energized and you step outside, your body becomes the path for that electricity



and electrocution is the tragic result. Even if a power line has landed on the ground, there is still the potential for the area near your car to be energized. Stay inside the vehicle unless there's fire or imminent risk of fire. It's best to wait until local electric utility crews arrive to make sure power to the line is cut off.

If you encounter an accident involving a vehicle and a utility pole, do not follow your instinct to run to the motorist. Live electric lines may be on the ground or difficult to see if they are hanging low. Anyone responding to such a situation should be cautious of the potential for electrical injury or death and wait for linemen to de-energize the line, or you could become a victim yourself.

### *Henry County REMC*

*will be closed*

*Dec. 23, 26, 30*

*and Jan. 2*

*in observance of the  
Christmas and New  
Year's holiday.*



Since the purpose of the electric cooperative was deemed to be different from an investor owned company, a set of operational principles from the Rochdale Society of Equitable Pioneers (England, 1844) were used to explain the difference and guide the development and management of the cooperative. These principles have guided the cooperative in good stead for decades and are just as important in the 21st Century as new challenges confront America in the production, delivery and use of electricity.

## Seven Cooperative Principles

VOLUNTARY  
& Open Membership

DEMOCRATIC  
Member Control

Members' Economic  
PARTICIPATION

AUTONOMY  
& Independence

EDUCATION  
Training & Information

COOPERATION  
Among Cooperatives

Concern for  
COMMUNITY

# electricConsumer Indiana Electric Cooperatives' Student Art Contest

Indiana students are encouraged to "be part of a gallery of art" by submitting entries for the 2013 Co-op Calendar Art Contest sponsored by Henry County REMC and Electric Consumer. The contest deadline is Friday, Mar. 23, 2012.

The electric cooperatives' student art contest is unusual because the winning works are published in a wall calendar. Along with bringing student artists statewide recognition, the printed calendar serves as a wonderful souvenir. In addition, cash prizes are awarded to 13 first place winners, grades K-12, and nine honorable mention winners.

The current contest is now underway and open to all Indiana students. Winning works will be published in the 2013 calendar. For the contest, each grade is assigned a specific month to depict: first graders have January; second graders have February; third graders do March; and so on. High school seniors finish the calendar by depicting December. Kindergartners are assigned the cover art which can depict any season, subject or event. Students compete only with students in the same grade division.

A complete set of rules and entry form can be found at [electricconsumer.org](http://electricconsumer.org), or visit the REMC office located at 201 N. 6th St., New Castle, IN. For questions, call 765.529.1212 ext. 21.

## did you know ?

Each 100 kilowatt hour block of EnviroWatts power you purchase has about the equivalent environmental impact as ...



Taking a car off the road for three months



or Planting one and a half acres of trees



or Reducing oil imports by two barrels.

Go to [HenryCountyREMC.com](http://HenryCountyREMC.com) for more information on EnviroWatts or call 765.529.1212 ext. 21. Be sure to "like" us at [Facebook.com/TeamUpToPowerDown](https://www.facebook.com/TeamUpToPowerDown). There you'll find more information on what you can do to use energy wisely.

**TEAM UP  
TO POWER DOWN.**  
Together We Save.

 [www.facebook.com/  
TeamUpToPowerDown](https://www.facebook.com/TeamUpToPowerDown)

## \$5 bill credit to participants

Save the time and the stamp with our Auto Pay option



- Never write another check to REMC
- Never miss a payment
- No late charges - ever
- Your payment is automatically deducted from your bank account the same time each month with no surprises

Sign up today and receive \$5 off your next bill. Visit our web site at [HenryCountyREMC.com](http://HenryCountyREMC.com) and click on Payment Options to download an Auto Pay enrollment form, or call 765.529.1212 for details or to sign up.

## Online Energy Advisor

Members are encouraged to explore our online library of tools, tips and more to save money and energy.

Visit [HenryCountyREMC.com](http://HenryCountyREMC.com) and look for the Energy Advisor tab under the Efficiency menu option.

Calculate savings when you make a change to your lighting, TV and other appliances. Use our Energy Calculator to see where your energy dollars are going.

**Start saving today with our helpful tools.**