



# living with energy IN IOWA

FEBRUARY 2014

## High School Juniors: **YOU CAN WIN**

an all-expenses-paid trip to Washington, D.C.



2014

Union Station  
Albert Einstein Memorial  
White House  
World War II Memorial  
Washington Monument  
Ford's Theatre  
**U.S. Capitol**  
Washington National Cathedral  
Lincoln Memorial  
Korean War Veterans Memorial  
Arlington National Cemetery  
Library of Congress  
FDR Memorial  
United States Air Force Memorial  
Senate Chamber  
United States Navy Memorial  
Mount Vernon  
United States Holocaust Memorial Museum  
Peterson House  
Kennedy Center  
Washington, D.C.

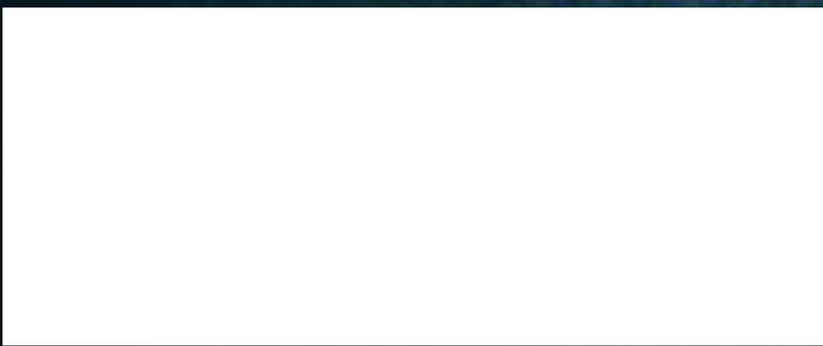
U.S. Capitol  
Vietnam Wall  
Newseum  
Smithsonian  
House Chamber  
Museum of the Marine Corps  
MLK Memorial  
Iwo Jima Monument  
Georgetown  
Paddle boats  
Potomac River  
Madame Tussauds  
Wax Museum  
Tour

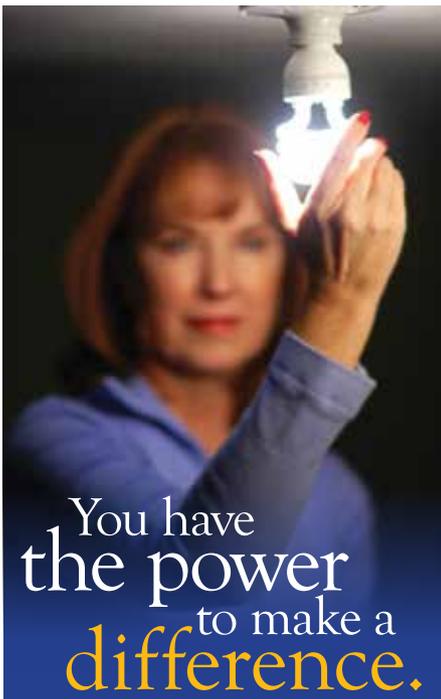
**Youth Day**



### 2014 YOUTH TOUR CONTEST

Here we go again!





You have  
the power  
to make a  
difference.

The fuels used to generate electricity are getting more expensive, and that drives up costs for everyone. Guthrie County REC is dedicated to finding ways to help you use electricity more efficiently at home or at work. Find out more by contacting us.



**Guthrie County REC**

A Touchstone Energy® Cooperative

888-747-2206 • [www.guthrie-rec.coop](http://www.guthrie-rec.coop)



**Guthrie County REC**

A Touchstone Energy® Cooperative



**Office**

1406 State Street • P.O. Box 7  
Guthrie Center, IA 50115-0007

**Office Hours**

Monday through Friday, 8 a.m. - 4:30 p.m.

**Telephone Number**

641-747-2206 or 888-747-2206  
Calls answered 24 hours a day, 7 days a week

**Website**

[www.guthrie-rec.coop](http://www.guthrie-rec.coop)

**Rebates**

**When making commercial energy-efficiency upgrades, ask about Guthrie County REC rebates**

Contact Guthrie County REC for the complete list of incentive programs and qualifications. All programs are subject to change at any time, without prior notice.

**Commercial ENERGY STAR® Refrigerators and Freezers**

*Qualifications: Maximum rebate of \$5,000 per facility per year, not to exceed 50% of cost.*

| Size          | Solid Door Refrigerators | Glass Door Refrigerators | Solid Door Freezers |
|---------------|--------------------------|--------------------------|---------------------|
| <19 cu. ft.   | \$50/each                | \$75/each                | \$25/each           |
| 19-30 cu. ft. | \$75/each                | \$100/each               | \$50/each           |
| 31-60 cu. ft. | \$100/each               | \$125/each               | \$75/each           |
| 61-90 cu. ft. | \$150/each               | \$175/each               | \$100/each          |

**Commercial Heating, Cooling and Ventilation**

*Qualifications: Maximum incentive may vary, depending on project savings estimates.*

| Type of System                                 | 1 <sup>st</sup> 40 Tons                                       | Remaining Tons | Maximum  |
|--|---|----------------|----------|
| <b>Geothermal Closed Loop System</b>           | \$350   | \$175          | \$50,000 |
| <b>Geothermal Open Loop System</b>             | \$250   | \$125          | \$30,000 |
| <b>Water Source Heat Pump System</b>           | \$150   | \$75           | \$25,000 |
| <b>ENERGY STAR Air Source Heat Pump System</b> | \$200   | \$100          | \$25,000 |
| <b>Standard Air Source Heat Pump System</b>    | \$150   | \$50           | \$15,000 |
| <b>Central Air Conditioning System</b>         | \$25  | \$25           | \$10,000 |
| <b>Air-Cooled Chiller</b>                      | \$20  | \$20           | \$5,000  |
| <b>Water-Cooled Chiller</b>                    | \$30  | \$30           | \$5,000  |
| <b>Heat Recovery Ventilation System</b>        | \$180/ton recovered (cooling tons recovered from exhaust air) |                |          |

**Commercial Adjustable Speed Drives**

*Qualifications: Maximum \$10,000 per facility or 50% of installed costs. Requests over \$2,500 require preapproval.*

|                                |   |
|--------------------------------|---|
| <b>Adjustable Speed Drives</b> | \$40/horsepower, based on controlled motor H.P. output at rated full load |
|--------------------------------|---|

**Commercial Indoor Lighting Equipment**

| Indoor Lighting Equipment   | Rebate (per fixture unless specified) |                  |
|---|---------------------------------------|------------------|
|   | Replacement                           | New Construction |
| <b>Standard T8 or T5 Fixtures</b> (new fixture or replacement with T8 or T5 lamps and electronic ballast) |                                       |                  |
| U-bend, 2'x2 lamp   | \$10                                  | NA               |
| 2'x1 lamp   | \$4                                   | NA               |
| 2'x2 lamp   | \$8                                   | NA               |
| 4'x1 lamp   | \$5                                   | NA               |
| 4'x2 lamp   | \$10                                  | NA               |
| 4'x3 lamp   | \$15                                  | NA               |
| 4'x4 lamp   | \$20                                  | NA               |
| 8'x1 lamp   | \$7                                   | NA               |
| 8'x2 lamp   | \$14                                  | NA               |
| 8'x1 lamp, high-output ballast  | \$9                                   | NA               |
| 8'x2 lamp, high-output ballast  | \$18                                  | NA               |

## About Energy

# Animals and power lines don't mix



In Guthrie County REC's territory, animals cause about 25 outages each year. "Our members sometimes shake their heads in disbelief when I blame a squirrel for an outage," said Cozy Nelsen, the co-op's general manager. "We spend \$4,000 to \$5,000 every year addressing animal management and removal."

Squirrels, raccoons, birds and even snakes can make their way up a utility pole and into danger. If they accidentally touch or trigger something while up the pole, a powerful electric current – up to 12,500 volts – makes that critter a conduit to the ground and means instant death.

If the critter's body falls to the ground, the power blinks, but stays on. If it falls into equipment, such as a transformer, safety measures shut off the power. Then the co-op needs to send a lineworker to remove the animal and restore power.

No one wants wildlife hurt. Many electric co-ops, including Guthrie County REC, have installed animal guards to protect equipment and wayward animals. These guards are a 24-inch metal flashing placed around the poles to prevent animals from getting into trouble areas. Though animal guards aren't foolproof, the measures we take help drive down the number of outages caused by animals and keep the power flowing to our members' homes. ⚡

## Editor's Choice Contest

### Win a solar-powered flashlight!



For your chance at winning a Verilux rechargeable LED flashlight in this month's Editor's Choice Contest, go to [www.livingwithenergyiowa.com](http://www.livingwithenergyiowa.com) by Feb. 28, 2014! ⚡

### High Bay Fixtures (4' T8 or 46" T5 with high output ballast, 15' min. mounting height) Retrofits must replace HID.

|           |       |      |
|-----------|-------|------|
| 4'x2 lamp | \$30  | \$16 |
| 4'x3 lamp | \$45  | \$24 |
| 4'x4 lamp | \$60  | \$32 |
| 4'x5 lamp | \$75  | \$40 |
| 4'x6 lamp | \$90  | \$48 |
| 4'x7 lamp | \$105 | \$56 |
| 4'x8 lamp | \$120 | \$64 |

### Pulse Start Metal Halide Fixtures (replacing higher wattage)

|                 |      |    |
|-----------------|------|----|
| 100-249W        | \$10 | NA |
| 250W or greater | \$20 | NA |

### ENERGY STAR CFL Fixtures

|            |      |  |
|------------|------|--|
| Hard-wired | \$10 |  |
|------------|------|--|

### LED Fixtures (ENERGY STAR or Design Lights Qualified)

|              |      |  |
|--------------|------|--|
| 8-49W        | \$20 |  |
| 50-99W       | \$30 |  |
| 100W or more | \$40 |  |

### Commercial Lamps and Other Lighting Products

**Qualifications** Includes lighting for new buildings and additional (non-replacement) lighting capacity to existing and expanded facilities. Rebate limit: 50% of installed costs. Maximum \$45,000 per customer. Projects over \$5,000 require preapproval.

|   |                              |          |
|---|------------------------------|----------|
| ENERGY STAR CFL (self-ballast/screw-in, 9W min.)            | \$2/lamp                     | \$1/lamp |
| Metal Halide Lamps (320-360W, replacing 400W)               | \$6/lamp                     | NA       |
| LED Exit Signs  | \$5/lamp                     | NA       |
| LED Lamps (ES or DLC listed screw-based, min. 8W)           | \$10                         | \$10     |
| LED Strip/Refrigerated Case Lighting                        | \$2/linear ft.               |          |
| Occupancy Sensor (wall/ceiling mount or high bay mount)     | \$15                         |          |
| Custom Lighting Application (linear LED, daylighting, etc.) | Varies: Requires preapproval |          |

### Commercial Outdoor Dusk-to-Dawn Lighting Equipment

**Qualifications** Must be on from dusk to dawn and controlled by photocell. Must replace ballast or install entire fixture with ballast – no lamp replacements. Replacement fixture wattage must be less than original fixture wattage. Rebate cannot exceed 50% of the total installed costs paid by the customer.

|   |              |  |
|---|--------------|--|
| <b>High-Pressure Sodium Fixtures</b> (replacement of higher wattage fixture only)     |              |  |
| 100W or more  | \$10/fixture |  |
| <b>Pulse Start Metal Halide Fixtures</b> (replacement of higher wattage fixture only) |              |  |
| 100W or more  | \$10/fixture |  |
| ENERGY STAR CFL (26W min., cold-start ballast rated to -20F)                          | \$15/fixture |  |
| <b>ENERGY STAR LED or Induction Outdoor Fixture</b>                                   |              |  |
| 20 to 34W   | \$20/fixture |  |
| 35 to 49W   | \$30/fixture |  |
| 50 to 74W   | \$40/fixture |  |
| 75 to 124W  | \$50/fixture |  |
| 125W or more  | \$60/fixture |  |

**Custom Lighting Applications** (includes LED and Induction): Contact the cooperative.

# Guthrie County REC holds 76<sup>th</sup> Annual Meeting

Guthrie County Rural Electric Cooperative held its 76th Annual Meeting Jan. 11 in Panora. The meeting was attended by 99 members and 69 guests.

Board president Ray Johnsen called the meeting to order at 12:30 p.m. and introduced Rev. Annette Kruse, pastor at Guthrie Center United Methodist Church and Bowman Chapel, who gave the invocation. Johnsen then acknowledged Guthrie County REC board members, former directors and other special guests in attendance – and recognized Guthrie County REC employees who have reached milestone employment anniversaries.

**Guthrie County REC employees were recognized at the Annual Meeting for their years of service to the cooperative. They included (from left) Jim Terwilliger,**

**40 years; Josh Oltmann, 10 years; Larry Newbrough, 30 years; Jeremy Gruber, 10 years; Marlene Chalfant, 15 years; Clint Drake, 5 years; and Cozy Nelsen, 20 years.**



**During the meeting, Guthrie County REC director Joni Rees, at podium, updated members on the co-op's recent activities. Also shown are (from left) directors Don Schwartz and Ray Johnsen and general manager Cozy Nelsen.**

In her address, general manager Cozy Nelsen highlighted ongoing efforts to work with the Federal Emergency Management Agency (FEMA) to rebuild electrical lines following two damaging storms in 2009 and 2010. Nelsen also talked about the FEMA decision to require electric cooperatives to establish reliability of lines prior to receiving any recovery aid.

“With the disaster declaration and FEMA funding, Guthrie County REC had 4 years to complete the reconstruction,” said Nelsen. “This al-

lowed Guthrie County Rural Electric Cooperative a total cost of 15 percent of what it would have been to rebuild. We knew we had to upgrade and re-conduct our lines to make them better able to withstand Iowa's weather in the future. We needed help. We contracted with ECHO Powerline from Louisiana who completed the work just before Thanksgiving 2013.”

Following Nelsen's speech, John Ward, attorney with Sullivan & Ward, P.C., read the results of the director election. Re-elected were: Ray Johnsen, District 4; Don Schwartz, District 5; and Steve Bireline, District 6. Each director will serve a 3-year term. ⚡

Jalen Spack and Lori Hix, Guthrie County REC employees and Guthrie Center Booster Club volunteers, care about the communities in which they live and work.

**COMMITMENT TO COMMUNITY**

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**The meeting ended with the drawings for door prizes. The grand prize winner of a MECO electric cart grill was Susan Coles of Panora (left), who's shown here with her husband, Mark.**