



Volts & Jolts

Published monthly for the members of Red Lake Electric Cooperative, Inc.
SERVING THE FOUR-COUNTY AREA OF MARSHALL, PENNINGTON, RED LAKE AND POLK
and a portion of the lands of the Red Lake Band of Chippewa

SEPTEMBER 2016

Win \$100 or a Kindle Fire

Sign up for Auto Pay & paperless billing today!

- Sign up to pay your electric bill with Auto Pay and your name will be entered into a drawing for a \$100 energy credit or a Kindle Fire tablet.
- Sign up for paperless billing and your name will be entered into a drawing for a \$100 energy credit or a Kindle Fire tablet.
- Sign up for both options and you will be entered in each drawing!
- Both drawings will be held Oct. 31, 2016.



Sign up is simple. Go to **www.redlakeelectric.com** and click on **Bill4U**. Sign in or set up an account. You can either make a payment on the day of your choice or click on the set up automatic payments to sign up for Auto Pay (or use the form below) and/or sign up for paperless billing. Auto Pay will withdraw the amount of your electric bill on the 25th of each month. If you already are an Auto Pay customer, set up an account in Bill4U and sign up for paperless billing. You will receive an email each month when your bill is ready. You will then be able to sign in to Bill4U and see your statement. We also have a free app for your smartphone so you can access your statement wherever you are.

Any questions call 800-245-6068 or email redlake@minnkota.com.

Red Lake Electric Cooperative Auto-Pay Sign-up Sheet

I authorize Red Lake Electric Cooperative (R.L.E.C.) and the bank listed below to initiate variable entries to my checking or savings account. This authorization remains in effect until I notify R.L.E.C. in writing to cancel it in such time as to allow R.L.E.C. to act on it.

Name (Print) _____ R.L.E.C. Account # _____

Bank Name _____ Checking or Savings account # _____

Sign here to authorize _____

☐ Sign me up for paperless billing.

Please return this sign-up form with a blank voided check to Red Lake Electric Cooperative, Inc.



**Red Lake Electric
Cooperative Inc.**

P.O. Box 430 • Red Lake Falls, MN 56750
Phone: 218-253-2168 • Toll Free: 800-245-6068
After hours: 218-253-2200



Swanson's term ends as Trust Board director

Van Swanson, Thief River Falls, has served on the Red Lake Electric Cooperative Trust Board of Directors since March 2010. Swanson received a plaque for his years of service. The plaque reads, "In recognition and gratitude to Van Swanson for his service as Director to Red Lake Electric Trust and to his community by effectively and fairly determining Operation Round Up grants totaling \$131,748 to area community organizations from 2010-2016."

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Kelli Brateng Manager of Member Services

OFFICE HOURS

Monday-Friday
8 a.m. – 4:30 p.m.

Phone: (218) 253-2168
Toll-Free: 1-800-245-6068
Fax: (218) 253-2630



AFTER HOURS/OUTAGE CALLS 218-253-2200

Website: www.redlakeelectric.com
Email: redlake@minnkota.com

CALL BEFORE YOU DIG
1-800-252-1166 or 811

MINNESOTA STATE ELECTRICAL INSPECTORS

Pennington and Marshall Counties:

Scott Stenvik – 218-689-5406

Red Lake and Polk Counties:

Bryan Holmes – 218-686-1413

Any time you or an electrician does wiring or other electrical work at your home or farm, Minnesota state requires a state wiring inspector to conduct a proper inspection of the work. A rough-in inspection must be made before any wiring is covered. A final inspection is also required. Please visit www.dli.mn.gov for more information. The inspectors can be reached weekday mornings between 7:00 a.m. and 8:30 a.m.

OUR MISSION STATEMENT

It is the mission of Red Lake Electric Cooperative to enhance the quality of life for people of our service area by safely and consistently providing quality electric service and other valued services while holding our employees, our community and our environment in high regard.



The 'grid battery' in your basement

Minnkota's demand response program aligns with community storage initiative

The most economical battery to store energy and help utilities optimize the electric grid may be hiding in your basement.

A 2016 study from the Brattle Group, an international economic consulting firm, finds that the nation's 50 million residential electric water heaters collectively represent a significant – and underutilized – energy storage resource capable of producing direct benefits to utilities and consumers.

Minnkota Power Cooperative and its members are well-positioned to advance this national effort, referred to as "community storage," through the use of their demand response program.

For decades, Minnkota and its members have partnered with their consumers on demand response, which allows the consumer to use lower-cost, off-peak electricity to "charge" large capacity electric resistance water heaters during overnight hours. Minnkota benefits from temporarily turning water heaters off because it reduces how much power needs to be generated or purchased during peak demand periods.

"Controlling loads during peak periods protects consumers from the volatility of purchasing surplus energy from the market and prevents the need to build new power plants just to serve peak loads," said Todd Sailer, Minnkota senior manager of energy supply. "The savings by doing this are passed on to members through a lower off-peak electric rate or bill credit."

The consumer does not have to sacrifice comfort during the times when the water heater is being controlled because the water is stored inside a specially insulated tank, which allows almost no heat loss over a 24-hour period.

Broad support

The community storage initiative focuses on a range of programs, such as Minnkota's demand response program, that aggregate electric storage resources available throughout the (535002.02 Joel Kezar) community to improve the efficiency of electric energy services for consumers.

Besides water heating, other storage technologies include electric vehicle charging and electric thermal storage space heating. These programs offer the industry practical steps to increase the amount of

energy storage available, and also better manage the intermittent nature of renewable resources like wind and solar. That potential has drawn support from America's electric cooperatives and several environmental groups, including the National Resources Defense Council.

For Minnkota, managing renewable resources is important because in 2017 the cooperative will purchase energy from wind facilities with the capacity to produce 457 megawatts (MW). Wind farms are typically most active during overnight hours when extra electricity isn't always needed. The community storage initiative suggests that by shifting a water heater's primary heating period to these off-peak hours, utilities are able to derive more value from the excess wind generation.

Minnkota members offer rebates

The participating Minnkota member cooperatives and the Northern Municipal Power Agency (NMPA) municipals have partnered to offer a broad array of rebates for consumers who want to install an electric water heater and participate in the off-peak program. Rebates are also available for consumers who install off-peak heating systems.

Minnkota provides the financial incentives to the member and municipal systems, and each system determines how to implement it with their own retail consumers.

Minnkota was one of the early adopters of demand response, launching its program in the mid-1970s. Today, about 50,000 consumers participate in some form. Loads most commonly involved in the program are heating systems and water heaters. When necessary, nearly 80 MW in the summer and 350 MW in the winter can be interrupted from Minnkota's control center in Grand Forks.

Loads are interrupted through the ripple control system, which includes computers that can transmit tens of thousands of electronic signals to substations that inject these signals into the power transmission and distribution lines.

Millions of dollars have been saved due to the successful operation of Minnkota's demand response program over the past 40 years.



Member Service Department

by Kelli Brateng

Recently my family and I spent an afternoon with friends at a country corn maze near our place at the lake. We took a "Road Trip" through the corn maze. The kids claim we got lost so many times; we may have taken a wrong turn once or twice. Games and activities were enjoyed during our afternoon adventure. We took in a hayride and ate some delicious snacks from the concession stand. Let me tell you, the apple slices drizzled with caramel, chocolate and whipping cream were amazing. There are many corn mazes and pumpkin patches throughout our area; I encourage you to find one, take your kids or your grandkids and enjoy an afternoon or a full day together.

As the corn mazes and pumpkin patches start to open, you realize fall is

here. So what does that mean? Winter isn't too far behind. Now is the time to start thinking about the upcoming heating season. Is your heating system ready for winter? We depend on our heating system for at least eight months. Because of this dependency, it is important to have our home's heating system operational and in tune. Having and maintaining an adequate and dependable (3736025.01 Lindholm Welding Inc.) heating system will make it simpler and certainly more comfortable for you and your family.

Call your local HVAC contractor or Red Lake Electric to make sure your heating system is serviced and operational for the upcoming heating season. Don't forget about our rebate program if you upgrade your HVAC system.

Do tankless water heaters live up to the hype?

An unlimited supply of hot water definitely sounds like a sweet deal to many homeowners. So do reduced water heating costs, instantaneous hot water on demand, and more space in the utility closet.

These are all promises made by companies selling tankless water heaters. But does the technology really deliver?

Unlike traditional electric resistance or gas-fired water heaters, tankless models do not store hot water – they heat water only as it's consumed. One or a series of heating elements within a tankless water heater are activated when a hot water faucet or valve is opened. The unit heats water until the faucet or valve gets closed.

'Unlimited' hot water?

An unlimited supply of hot water sounds great, but generally doesn't make for responsible water use, particularly in areas of the country suffering from drought or chronic water shortages. Moreover, even the largest whole-house unit may not supply enough hot water for simultaneous, multiple uses.

For example, such a unit may be able to supply only two showers simultaneously or perhaps one shower, a dishwasher, and a sink. If users demand too much water, temperatures will drop. As a result,

a tankless system probably won't meet the needs of a large family.

In addition, water temperature depends on the (7217004.01 Todd Cymbaluk) volume coming out of a faucet.

Hidden costs

Generally, tankless water heaters do not require a lot of space. But they do require an upgrade in electrical service – something most home improvement stores often don't mention and a chief reason electric co-ops generally don't recommend the appliances. This means consumers who want to replace an existing conventional water heater with a tankless unit or add one as part of a home-remodeling project will incur additional costs.

For example, a traditional tank water heater with 4,500-watt elements operates on #10 wire and a 30-amp circuit breaker. One whole-house tankless model boasts four 7,000-watt elements for a total electrical load of 28,000 watts. This requires wire and a circuit breaker that will handle at least 120 amps.

Other options

Consumers looking for an efficient water heater should consider a heavily insulated electric resistance unit. These appliances are often the most cost-effective



Submit your recipes to be published in *Volts & Jolts*. Email to redlake@minkota.com or mail to: Red Lake Electric Cooperative, PO Box 430, Red Lake Falls, MN 56750.

Caramel Apple Upside-Down Cake

Topping:

- ¼ cup unsalted butter
- ½ cup light brown sugar
- ½ teaspoon ground cinnamon
- 2 large apples (peel, cored, and thinly sliced)

Cake:

- 1 and ½ cups all-purpose flour
- 1 teaspoon baking powder
- ¼ teaspoon salt
- ½ teaspoon ground cinnamon
- ½ cup unsalted butter, softened
- ¾ cup granulated sugar
- 2 large eggs
- 1 teaspoon vanilla
- ½ cup milk

Preheat oven to 350 degrees. Spray a 9-inch cake pan well with nonstick cooking spray and set aside.

To make the topping:

Add the butter and brown sugar to a saucepan over medium heat. Stir constantly until the mixture starts to boil. Remove from the heat and add the cinnamon.

Pour the mixture into the prepared cake pan and evenly spread it on the bottom. Top with the apple slices.

To make the cake:

In a large bowl, whisk together the flour, baking powder, salt and cinnamon. Set aside.

In a separate bowl, beat the butter and sugar with an electric mixer until smooth. Slowly add the eggs one at a time, mixing well after each one. Add the vanilla and mix until fully combined.

Slowly add the dry ingredients to the wet ingredients alternating with the milk. Mix until everything is just combined. Pour the batter into the cake pan on top of the apples.

Bake at 350 degrees for 35-40 minutes or until a wooden toothpick inserted into the center of the cake comes out clean. Remove from the oven and allow to cool for about 10 minutes in the pan before inverting onto a large plate.

option. And because of their hot water storage capabilities, many electric co-ops employ electric resistance water heaters as a key component of load management programs that shave power costs during times of peak demand – a proven way to help keep electric bills affordable.

To reduce home water heating costs, simple and inexpensive measures could be implemented such as tank insulation, temperature setback, timers, heat traps, low-flow showerheads and installing your electric water heater on Red Lake Electric's load management program. *Source: NRECA*



Local 4-Hers receive awards from Red Lake Electric Cooperative

Each year, Red Lake Electric Cooperative sponsors awards for 4-H exhibitors at area county fairs. Pictured are 4-Hers who received awards at the Red Lake County Fair held June 24-26, Pennington County Fair held July 13-17 and the Marshall County Fair held July 19-23.



The top producing dairy award at the Pennington County Fair was presented to Steven Hanson of Highland 4-H Club. *Photo courtesy of Thief River Falls Times.*



Noah Rupprecht of the Silverton 4-H Club received an award for beef rate of gain at the Pennington County Fair. *Photo courtesy of Thief River Falls Times.*



Highland 4-H member Kristin Farris received an award for her rate of gain in the sheep division at the Pennington County Fair. *Photo courtesy of Thief River Falls Times.*



Winning the champion breeding ewe award at the Pennington County Fair was Kale Geiser of the Steiner 4-H Club. Pictured with Geiser is his friend, Blake Melbye (right). *Photo courtesy of Thief River Falls Times.*



Happy-Go-Lucky 4-H member Ryan Tvedt received two awards from Red Lake Electric Cooperative at the Red Lake County Fair for rabbit exhibit and safety project. *Photo courtesy of Oklee Herald.*



Morgan Klopp of the Riverside 4-H Club was the senior showmanship champion in the sheep division at the Marshall County Fair. *Photo courtesy of Marshall County Extension Service.*



Nolan Bakke of Viking Volcanoes 4-H Club received an award for junior showmanship champion in the sheep division at the Marshall County Fair. *Photo courtesy of Marshall County Extension Service.*



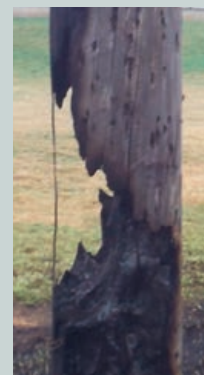
Jacob Solie of Huot Hustlers received awards at the Red Lake County Fair for his horseless horse and electrical projects. Not pictured but also receiving awards was Evelyn Klammer with 4-H Hands on After the Bell for her horseless horse project and Huot Hustlers member Matt Weiss for his shop project. *Photo courtesy of Oklee Herald.*

Controlled burns can be costly

If you plan a controlled burn of ditches or other areas, please check for utility poles in the area. Controlled burns can easily burn out of control and could result in damage to our electric poles.

Poles that burn through, as shown in the photo, need to be replaced. Even poles that are blackened may need to be replaced. During the intense heat of a grass fire, the preservatives in the pole (4415023.03 Denise Hutchinson) may boil or seep out. This may cause the pole to be brittle and more prone to wind or ice damage that would lead to an eventual outage.

If a pole is damaged to the point of replacement, the member would be charged the cost of the equipment plus labor. Please exercise caution when doing a controlled burn in the vicinity of utility poles.



For Sale on Bids at RLEC



Weather Guard side toolboxes

Quantity of two, selling as set.
Dimensions are 47"x16"x15".



Dee Zee main toolbox

Dimensions are 70"x20"x14".

**Bids must be received in a sealed envelope by 10:00 a.m.
Tuesday, October 4, 2016**

Need help to pay your electric bill? Help is only a phone call away!

Red Lake Electric is prepared to work with members who are in need of assistance paying their electric bills. For more information about the Cold Weather Rule, call Red Lake Electric Cooperative or see MN Statutes, Chapter 216B, which governs disconnection policies of residential heating sources (2810003.03 Debra Filer) from October 15 through April 15. Here are some common questions:

Can my heat be shut off in the winter?

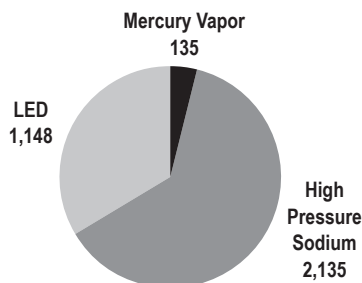
YES, unless you take steps under the Cold Weather Rule (CWR) to protect yourself. You must contact Red Lake Electric Cooperative to apply for protection from having your heat shut off. This is true for all residential customers, including senior citizens and families with young children.

QUICK TAKES

A look at some statistics from your Red Lake Electric Cooperative

The shorter daylight hours that come with this time of year doesn't mean you have to be in the dark. Red Lake Electric Cooperative has outdoor Security Lighting available for just pennies a night. The monthly \$8 charge includes all costs to operate and maintain the light. If you want to add lighting to your yard or work area, give RLEC a call today at 1-800-245-6068 or 218-253-2168.

Red Lake Electric's Security Lights



NOTICE OF NAMES

Hidden within the text of the articles of this issue of the *Volts & Jolts* are the names and account numbers of some Red Lake Electric Cooperative members. They will appear within the articles in parenthesis as such (999999.99 Willie Ray Member). If you find your name and account number, clip it out and send it with your next payment. You will be credited with \$5 on your electric bill.

Will you disconnect me without my knowledge?

No. RLEC will give you a "Final Disconnection Notice" on your electric bill. This will state the amount you need to pay, as well as the date you must contact RLEC to avoid disconnection. If you do not contact us by the disconnect date, we will make an attempt to collect your bill at which time we will leave you a door hanger with a packet of information on how to avoid being disconnected.

How can I keep my heat on or get reconnected if I am already shut off?

You must make and keep a payment plan with Red Lake Electric Cooperative. The payments don't have to be the same amount each month. RLEC will work with you to make suitable arrangements to help you keep your electricity. (6105004.01 Enbridge Energy Partners) Once arrangements are made, you must contact Red Lake Electric Cooperative if you are unable to make a payment or your service may be shut off.

When I contact RLEC to apply for the Cold Weather Rule what happens?

- You will make a Cold Weather Rule payment plan, which you must keep to be protected.
- If you and the utility cannot agree on a payment plan, you have 10 days to appeal to the Public Utilities Commission.
- The Commission will help you set up a payment plan.
- Your service will stay on during the appeal process.

What happens if I can't make my payments as planned?

If you can't make your payments, call RLEC **immediately** to make a new CWR payment plan. If you do not make your payments, your service may be shut off.

What if I need help reading or understanding notices from my utility?

- The CWR has a "Third Party Notice" option.
- If you would like help applying for the CWR, you may arrange for another person to get a copy of any disconnection notices or other important information, at the same time you receive it. This may be a friend, family member or anyone who is willing to help you understand the notices or set up a CWR payment plan. This person is not responsible for paying your bill. They are only agreeing to help you understand notices from Red Lake Electric Cooperative.

How do I sign up for Third Party Notices?

Call Red Lake Electric for a sign-up form. The form must be filled out and signed by both you and the person you want to be notified and mailed back to the utility.

Are military personnel subject to shut off?

Minnesota law protects a residential customer if a member of the household has been issued orders into active duty, for deployment or a change in duty station if they are unable to pay their electric bill. You must call Red Lake Electric to set up a payment plan. For more information see MN Statutes, Chapter 325E.028 Utility Payment Arrangements for Military Personnel.

FEDERAL/STATE ENERGY ASSISTANCE

If you need help paying your electric utility bill, you may qualify for state or federal fuel assistance. For complete, qualification and application information, contact your local county welfare or community/citizen's action council listed below. These organizations may also provide budget counseling.

Inter-County Community Council

Oklee, MN
Serves East Polk, Pennington
and Red Lake Counties
218-796-5144
Toll-free: 1-888-778-4008
Fax: 218-796-5175

Northwest Community Action

Badger, MN
Serves East Marshall County
218-528-3258
Toll-free: 1-800-568-5329
Fax: 218-528-3259

Tri-Valley Opportunity Council

Crookston, MN
Serves West Polk,
West Marshall County
218-281-9080
Toll-free: 1-866-264-3729
Fax: 218-281-0705

Red Lake Community Action Agency

Red Lake, MN
Serves Beltrami County
218-679-1880



Cards of Thanks

Thank you for the generous \$500 scholarship. It will help me pay for college and is greatly appreciated.

Mariah Coan, Goodridge

I am greatly honored to have been chosen to receive the Red Lake Electric Cooperative Scholarship, and I know it will help me greatly financially for college. I will be attending Northland Community and Technical College to better myself in education to become a registered nurse.

Rachel Morberg, Erskine

I would like to sincerely thank you for your generous contribution to our Goodridge School Scholarship fund and for your years of continued support for our school. Because of businesses like yours our students continue to have countless opportunities to be successful.

Becky Carlson, Goodridge K-12 Principal

Thank you very much for your generosity! We are sure the recipients were so thankful to receive the scholarships. We believe that generosity strengthens your community. Job well done! We appreciated businesses like RLEC for their contributions!

Brenda Marben, Chris McLean and Kaylee St. Germain, Thrivent Financial

Thank you for the donation you gave me at the Red Lake County Fair on my 4-H project.

Matthew Weiss, Huot Hustlers 4-H Club

Thank you for sponsoring the award for Champion Breeding Ewe. It was an honor to receive it! Thank you for supporting Pennington County 4-H; showing is my favorite part of the fair.

Kale Geiser, Steiner 4-H Club

Thank you for sponsoring the Dairy Herdsmanship Award at the Pennington County Fair. My favorite part of the fair is showing livestock and our club always tries hard to keep our stalls and animals clean. Thanks for your support.

Kale Geiser and Ruby Geiser, Steiner 4-H Club

We want to give a big thank you to Red Lake Electric for the opportunity to go on the power plant tour. All the tours were very informative but the highlight was getting on the dragline, Liberty, and seeing it work from inside. Thanks to all who sponsor and organize this event – it's appreciated greatly. Special thanks for all the help with food due to my gluten issues. Thanks again for a great two days.

Vincent & Gelene Lundeen, Oklee

I would like to thank Red Lake Electric for sponsoring the Beef Rate of Gain award at the Pennington County Fair. I won it with my steer named Gretzky. I will be taking him down to the state fair. I have been working with him and spending a lot of time leading and grooming. Thanks once again for your support.

Noah Rupprecht, Silverton 4-H Club

Thank you for providing this awesome trophy at the sheep show for the 4-H Jr. Showmanship class during the Marshall County Fair.

Nolan Bakke, Viking Volcanoes 4-H Club

Thank you for sponsoring the 2016 Market Lamb of Rate of Gain award and the sheep showmanship awards. My market wether gained .92 pounds a day and won the award!

Kristin Farris, Highland 4-H Club

Thank you very much for sponsoring the rabbit herdsman'ship awards! We will use the food bowl for our new rabbit business.

The Sanders 4-H Club

Thank you for sponsoring the herdsman'ship awards at the Pennington County Fair this year. I won first place in Poultry.

Brianne Ellison

Thank you for donating the medals to the Pennington County 4-H Herdsman'ship Program.

Emily Bakke, Herdsman'ship Coordinator

Thank you for sponsoring my goat herdsman'ship awards at the 2016 (5023003.03 Glenn Hofstad) Pennington County Fair.

Jacey Larson

Thank you for the \$50 in the rabbit and safety award.

Ryan Tvedt, Happy Go Lucky 4-H Club

Thank you for the generous gift for 4-H Champions I received at the Red Lake County Fair. Your support is appreciated.

Evelynn Klamm, 4-H Hands-on after the bell (after school program)

Thank you for sponsoring the great trip to western North Dakota. I really enjoyed it and learned a lot about our electrical system. All the people and food were wonderful.

Dennis Hjelle, Newfolden

Thank you for your service and keeping us informed. Thank you for the extension cord and timer I won at the annual meeting; very useable!

Ollie Urdahl, Viking

A big thank you to the Red Lake Electric Cooperative for the trip to the Minnkota facilities, Garrison Dam and the coal mine. We enjoyed and were amazed by the engineering and technology that goes into providing us with electricity.

Rick & Alrene Froiland, Plummer

I want to thank you for the opportunity to receive the generous gift of \$500 through the RLEC Scholarship. I was very happy and appreciative to learn that I was selected as a recipient of your scholarship. I plan to use the scholarship to defray the cost of tuition when I attend Northland Community and Technical College to become a registered nurse.

Mariah Derosier, Red Lake Falls

Thank you for supporting the Red Lake County 4-H program and me. I received two \$50 business awards for my project. I'm 13 years old and entered 56 projects this year. The awards were given for Jacob's electricity ladder and English/Western style difference in horse riding. Your support is greatly appreciated as I prepare for our upcoming Minnesota State Fair trip.

Jacob Solie, Huot Hustlers

Thanks for all the businesses that donated to the Goodridge Post Prom party. It was greatly appreciated.

Goodridge High School

Thank you for the opportunity to take the power plant tour. It was an interesting experience and well worth the time taken. I appreciate the planning that went into the trip. We were given a lot of information during the trip, plus meeting staff who were very capable in their duties and well represented in their organizations. Also special thanks to our tour guide for taking care of us throughout the tour.

Sharon Russell, Thief River Falls

Thank you for hosting the power plant trip this summer; it was very educational and an enjoyable trip. We now have a better understanding of where/how our power is generated. We enjoyed the great company too.

Luke & Larea Kaushagen and Lucas Moen, Thief River Falls

CLASSIFIEDS

Members are invited to use this FREE WANT AD service.

If you have anything to trade or sell, just drop a card to Red Lake Electric Cooperative, Red Lake Falls, MN 56750.

For Sale

1070 Case with snow blower on 3 pt. Needs batteries. Call 218-378-4234.

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov



Like us on Facebook at
www.facebook.com/redlakeelectric



Red Lake Electric Cooperative Inc.



SMART ENERGY USE

with help from Red Lake Electric Cooperative



Heating and cooling system rebate checklist

Must be on off-peak.

Combined heating and cooling rebate maximum of \$600.

☐ Electric plenum heaters

Easily converts your existing fossil fuel furnace into a dual-fuel heating system. You are able to use the most efficient, cost-effective heating source – fossil fuel or electricity – at any time.

Electric Heat rebate: \$20 per kilowatt (kW), maximum of \$600

PowerSavers rebate: \$500 if installed with ENERGY STAR®-rated air-source heat pump. Must modulate to allow ASHP to operate down to 5 degrees F., and be on off-peak.



☐ Electric thermal storage heaters

Draws electricity during off-peak hours when it is cheaper. Heat is stored in specially designed bricks to provide comfort 24 hours a day.

Electric Heat rebate: \$20 per kW, maximum of \$600

PowerSavers rebate: \$500 if installed with ENERGY STAR®-rated air-source heat pump. Must modulate to allow ASHP to operate down to 5 degrees F., and be on off-peak.



☐ Air-source heat pumps (including mini-split ductless option)

Works just like a central air conditioner in the summer. In the fall and winter, they provide super-efficient supplemental heat.

Electric Heat rebate: \$100 per ton, maximum of \$600

PowerSavers rebate: \$400-500 depending on efficiency ratings



☐ Geothermal heat pumps

Provides the highest efficiency for space heating and cooling available today. The system transfers heat to and from the earth using only small amounts of electricity.

Electric Heat rebate: \$200 per ton, maximum of \$600

PowerSavers rebate: Open loop, \$200 per ton, maximum of \$2,500. Closed loop, \$400 per ton, maximum of \$5,000. Must meet program efficiency requirements.



☐ Underfloor electric heating

A popular off-peak option because the system transfers consistently across the floor to reach people and objects, providing both comfort and efficiency. Applications include electric boiler with hydronic tubing or electric cables or mats.

Electric Heat rebate: \$20 per kW, maximum of \$600



☐ Other electric heating systems

Options include electric baseboard, cove heaters and more.

Electric Heat rebate: \$20 per kW, maximum of \$600



Electric water heater rebate checklist

Must be on off-peak



- ☐ 100 gallon or greater

Water heater rebate: \$200

PowerSavers rebate: \$150

- ☐ 56-99 gallon

Water heater rebate: \$150

PowerSavers rebate: \$150

- ☐ 55 gallon or less

Water heater rebate: \$100



Bonus rebates:

Add \$250 if converting from natural gas or propane.

Add \$100 for new building construction.



CFL and LED light bulb rebate checklist

*ENERGY STAR®-recommended.
Rebate up to dollar amount listed per bulb
or 75% of the purchase price.*



- ☐ Replace incandescent bulb with screw-in CFL

PowerSavers rebate: \$2 per bulb

- ☐ Replace incandescent bulb with screw-in LEDs

PowerSavers rebate: \$4 per bulb (40-60 watts)

PowerSavers rebate: \$8 per bulb (65 watts or greater)

PowerSavers rebate: \$8 per install of fixture/replacement kit

- ☐ Install LED outdoor fixtures
(dusk-to-dawn operation required)

PowerSavers rebate: \$20 per fixture (40 watts and under)

PowerSavers rebate: \$40 per fixture (greater than 40 watts)

Other ways to save on heating and cooling:

- Install a programmable thermostat. **PowerSavers rebate:** \$25 per unit
- Tune up your central air conditioner or air-source heat pump. **PowerSavers rebate:** \$25 per unit
- Seal air leaks. **PowerSavers rebate:** 30% of sealing cost, maximum incentive \$300 (preblower and postblower tests required)
- Insulate and air seal your attic. **PowerSavers rebate:** 30% of sealing cost, max. \$500. (Must include air sealing. Improved from R-30 or less to R-50. Attic knee walls insulated to a minimum of R-25 up to R-30.)
- Add wall insulation. **PowerSavers rebate:** 30% of insulation cost, max. \$500. (Wall insulation improved from R-5 or less to R-11 or higher. Attic knee walls excluded.)
- Install a furnace air handler with ECM blower. **PowerSavers rebate:** \$100 per unit

