

The High Line

By Line

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A Touchstone Energy® Cooperative 



Arrowhead Cooperative's Environmental Improvement Results

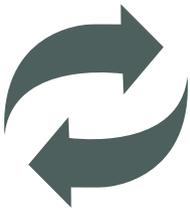
Arrowhead Cooperative is committed to delivering safe, reliable, and environmentally friendly utility services. In conjunction with our power supplier, Great River Energy (GRE), we have developed renewable energy resources for more than a decade. Renewable energy delivered to Arrowhead members represented almost a quarter of our energy needs in 2016.



Arrowhead Cooperative's renewable energy portfolio has increased from 7.7% in 2005 to 22.25% in 2016. That means the amount of renewable energy supplied to Arrowhead members has nearly tripled in ten years.

In contrast, the percentage of coal-based energy in the same period decreased from 68% in 2005 to 61% in 2016.

What effect does this have? From 2005-2016 carbon dioxide emissions were reduced by 23%!



Like Arrowhead, GRE is a cooperative with a commitment to deliver reliable energy while also being cost-effective and environmentally responsible. GRE developed an Integrated Resource Plan (IRP) to look at the next 15 years of power generation and distribution. The IRP includes additional wind generation. GRE has contracted for 300 MW (million watts) of wind energy which will be online in 2020.

Both Arrowhead Cooperative and GRE will continue to rely on energy efficiency and conservation measures to help our members save energy and resources.



All of us at Arrowhead Cooperative & True North Broadband wish you a safe and joyful holiday season.

To allow our staff to celebrate with their families our office will be closed December 22nd & 25th and December 29th & January 1st.

As always, in the event of an outage, please call 800-864-3744 and follow the prompts to report a power or fiber issue.

The Arrowhead Cooperative 2017 Gift Guide

Looking for creative gift ideas? We can help! Here are five fabulous gifts for all kinds of recipients and occasions. It's never a bad idea to get yourself a little something, too.

1. LEDs

These energy-efficient bulbs can be bought at local stores in a variety of sizes and styles. LEDs come in any brightness or light color you need, for all types of fixtures. You'll love the cool-to-the-touch bulbs and the savings on your electric bill!

Perfect for: that special someone who's the "light of your life"!

2. Home Energy Audit

Cook County Local Energy Project (CCLEP) offers a home energy audit through the Residential Energy Efficiency Program (REEP). The auditor works with the homeowner to identify cost effective ways to reduce energy consumption. Visit cookcountylocalenergy.org for more information on the audit and lots of great local resources.

Perfect for: your buddy who just bought a fixer-upper.

3. Solar Panel

A panel in the Arrowhead Cooperative Solar Community gives all year 'round with credit for the

output on your monthly electric bill. Green, local energy fills the heart with joy! It's an easy way to enjoy the benefits of solar power without installing anything at your property.

Perfect for: the relatives who always let you stay at their condo.

4. High speed internet

Arrowhead Cooperative's fiber-to-the-home network provides delightfully fast internet. Give a True North Broadband Gift Certificate for a month (or more!) of any of our high speed services. Know someone with a wireless router that's older than your toddler? Get them True North Broadband's managed wireless service with a dual band router with carrier-class wifi and top notch home network support.

Perfect for: your best friend, so you can binge-watch your favorite series together.

5. Reliable Electricity

Still searching for gift ideas? You can give an Arrowhead Cooperative Gift Certificate of any dollar amount. It's a great way to say thanks to someone who has helped you out this year –save them a bit on their electric bill.

Perfect for: the most "powerful" person you know.



MERRY, BRIGHT AND EFFICIENT HOLIDAY LIGHTING
Decking the halls doesn't have to take a toll on your energy bill! Keep your holiday lighting merry, bright and energy efficient with LED light strands.

- Consider replacing older light strands with new ENERGY STAR LED® lights. LED strands are 70 percent more efficient and last 10 times longer than the age-old standard bulbs.
- You can get the look of cozy lighting with LEDs. Just look for "warm white" on the label.
- Unlike older light strands, LED lights give off virtually no heat, making them safer for kids and pets (and reindeer).
- Save energy by setting a timer for outdoor lighting and decorations. Program the timer so the lights turn on in the evening and turn off later at night when you typically go to sleep.

Source: Dept. of Energy



AMERICA'S ELECTRIC COOPERATIVES

10 Quick Tips to Avoid High Winter Bills

Looking to lower your bills this winter? Use the 10 tips below to conserve energy.

-  Seal air leaks and insulate well to prevent heat from escaping and cold air from entering your home.
-  Reduce waste heat by installing a programmable thermostat.
-  Turn off lights when not in use.
-  Lower your water heater temperature. The Dept. of Energy recommends using the warm setting (120 degrees) during fall and winter months.
-  Unplug electronics like kitchen appliances and TVs when you're away.
-  Open blinds and curtains during the day to allow sunlight in to warm your home.
-  Close blinds and curtains at night to keep cold, drafty air out.
-  Use power strips for multiple appliances, and turn off the main switch when you're away from home.
-  Wash clothes in cold water, and use cold-water detergent whenever possible.
-  Replace incandescent light bulbs with LEDs, which use at least 75 percent less energy.

Source: U.S. Dept. of Energy

Dates to Remember

December 20	Electric & Broadband bills due
December 20	Board of Directors Meeting
December 22 & 25	Office closed for Christmas
December 29	Office closed for New Year's
January 1	Office closed for New Year's



Winter Bill Help Available

Do you or someone you know need help paying your electric bill this winter? The Minnesota Cold Weather Rule helps homeowners and renters protect and reconnect heat during the winter months beginning October 15.

If you are worried about paying your electric bill on time, contact Arrowhead Cooperative at **800-864-3744** BEFORE the due date of your bill. You will need to fill out the form in the Cold Weather Law brochure. You can call our office to get a form sent to you. After you return the form to us we can help you make a payment arrangement so that your power does not get shut off.

If you need additional help you can also call the following numbers

Energy Assistance Hotline: 1-800-657-3710

Arrowhead Economic Opportunity Agency (AEOA):
1-800-662-5711

Grand Portage Energy Assistance: 218-475-2822

Salvation Army Heatshare: 1-800-842-7279

In order to keep your electricity on you must make a payment arrangement with Arrowhead Cooperative and stay current on your payments. If you are income-eligible, you must also apply for AEOA Assistance. This is true for all residential customers, even senior citizens or families with children.

Please call our office if you have any questions about getting help with your electric bills. We are happy to help you get the assistance you need to stay safe and warm this winter.

Winner!

Congratulations to Mike Gulden, winner of the October 2017 Member Appreciation Raffle. He will receive a \$50 gift certificate for his electric bill.

Thanks to everyone who sent in their drawing ticket – we look forward to playing again next fall!

Right-Of-Way

Rights-of-way clearing pauses during the winter months. We will resume as soon weather permits. Keep in mind, clearing and hazard tree removal can happen at any time, in any area as needed.

What can you do to help?

- Please be sure the right of way is clear of personal items to ensure the mowers and equipment can pass through with ease.
- Brushing and/or mowing your private right-of-way from the meter to your home, following your electric or fiber line, would be extremely helpful. The suggested width is 10 feet for both overhead and underground services.

Please mark survey pins, septic systems, well heads, wire or fencing with a five foot permanent reflective marker post within the right-of-way, and remove any personal items that may be damaged by flying debris. Arrowhead Cooperative will not accept liability for damage of these items if not notified. If you do not live at your service address, please call the office to inform us of known obstacles in your right-of-way.

Arrowhead Cooperative encourages members to contact the office with any questions or concerns regarding Right-of-Way clearing.

Arrowhead Cooperative True North Broadband

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General Manager: Joe Pandy
Board President: Scott Harrison
Newsletter Editor: Yusef Orest & Sara McManus
Cooperative Board Meeting last Thursday of each month @ 9:00 a.m. with the exception of November and December due to the holidays.

