Kandiyohi Power Coop

AUGUST 2019 - ISSUE 98 VOLUME 8

KILOWATT

OPERATION ROUND UP

The following is the 3rd quarter list of donations from the Kandiyohi Power Cooperative Charitable Trust Fund:

Pennock First Responders	$1000
Shannon Johnson Family	$1000
Kandiyohi County AIM	$ 500
Willmar Area Women Foundation	$ 500
	$3000

Next meeting will be in October. Please have your applications submitted by October 1st. Remember that your request must be on the Operation Round Up application form to be eligible.

KPC Offices will be closed

Monday, September 2nd

In observance of Labor Day.

If you need assistance call 1-800-551-4951.

WHY CO-OPS WORK

ARTICLE BY: SCOTT FROEMMING, CEO

It's a good time to be a member of an electric cooperative- We Listen!

When you move into KPC's territory and your electric service is provided by us, you become a member. As a member, you receive the right to vote for the Board of Directors. The directors, as your elected representatives to the cooperative, in turn, hire me. And I am responsible for leading the organization and making sure the cooperative is delivering the service that you expect.

Co-ops invest money in excess of operating costs back into the business locally or return the excess (known as margins) to the member-owners in the form of capital credits. Capital credit refunds are to our members what dividends are to stockholders in for-profit companies.

Not only are co-ops locally owned and controlled—by you, the members—they are locally run to serve your needs. That means that we have a real understanding of the people we serve. Cooperative management and employees share the same values and have the same pride of place because it is our community, too. We act like neighbors because we are neighbors.

Because Electric Cooperatives were built by, belong to and are rooted in the communities that we serve, we play a vibrant role in economic development. Electric Cooperatives are responsible for 612,000 American jobs and contribute $88 billion annually to the nation's gross domestic product.

Cooperatives are rooted in their rural communities. We strive to anticipate and plan for the future needs of our members. We are committed to rural America and provide the opportunity for a better quality of life, support nonprofits and civic groups and are your trusted experts on energy matters.

Electric cooperatives are subject to less regulation by federal and state governments because of the healthy way in which our Board of Directors manage us. Our independence from distant, outside regulators is also based on our historical commitment to the communities we serve.

Electric cooperatives support one another in times of crisis. When the April ice storms hit southern Minnesota, co-op line crews drove hundreds of miles to assist with the restoration. And we know that if we needed help, our neighboring cooperatives would be there for us.

Finally, cooperatives are led by seven principles. These principles guide us in serving our members: voluntary and open membership; democratic member control, members' economic participation; autonomy and independence; education, training and information; cooperation among cooperatives; and concern for the community.

At KPC, our mission is to provide our members and community with reliable, sustainable and innovative energy solutions. We strive to improve the quality of life of those we touch.

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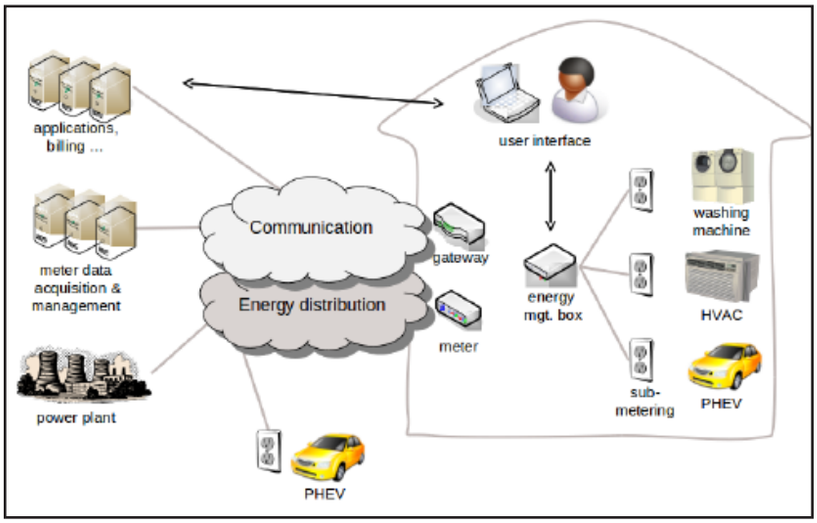
KANDIYOHI POWER USING NEW TECHNOLOGY TO BALANCE GRID

(article from Great River Energy)

Kandiyohi Power Cooperative (KPC) is seeing the benefits of today's sophisticated technology since it finished integrating its load management system with Great River Energy's new demand response management system (DRMS) this spring.

Load management is the process of balancing the supply and demand of electricity on the electric system by adjusting or controlling electric loads, such as air conditioners and water heaters. A DRMS allows cooperatives to save money and improve reliability through closer monitoring and precise control of electric loads. The system will also allow new load control technologies to be seamlessly integrated for additional benefits in the future.

Diane Maurice, KPC's Member Services Manager, said the cooperative is now enjoying the new DRMS's many features and the efficiency of running multiple programs from one source. KPC serves more than 8,000 members in Kandiyohi and surrounding counties. "The integration with Great River Energy's DRMS enables us to receive feedback-control verification, allowing us to monitor our system and troubleshoot. This affects our bottom line in a positive way," Maurice said.



John Reinhart, Great River Energy's demand response technology lead, said the new DRMS is also creating cost-saving opportunities. "There are periods of time when our member-owner cooperatives incur high transmission costs and our previous load management system was not flexible enough to selectively schedule load management for those periods of time," Reinhart said. "We are seeing that our new DRMS furthers our ability to partition and target different geographic areas and partitioned market zones to lower costs."

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KPC CUSTOMER APPRECIATION NIGHT
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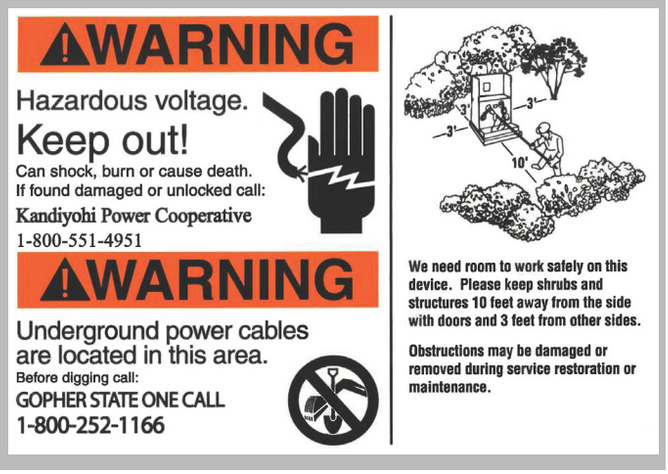
Since adopting the new system in 2017, Great River Energy has worked to help its member-owner cooperatives integrate their load management systems into the modern DRMS. Pelican Rapids-based Lake Region Electric Cooperative was the first to begin using the system and KPC is the second. "This now opens the field to 12 of Great River Energy's member-owner cooperatives who are either using our new DRMS or are now ready to," Reinhart said.

MEMBER REMINDER:

This sign is posted on all underground transformers. Please understand that we may not be able to avoid damaging your plantings while working on our transformers. Thank you for leaving space for our crews to work safely!



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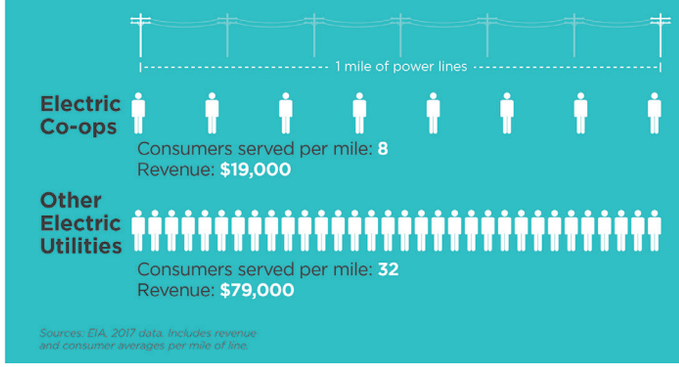
GSOC

Going the Extra Mile

Electric cooperatives maintain more miles of power lines per consumer than other types of electric utilities. Even though they serve fewer consumers and acquire less revenue, electric co-ops always go the extra mile to power the communities they serve.



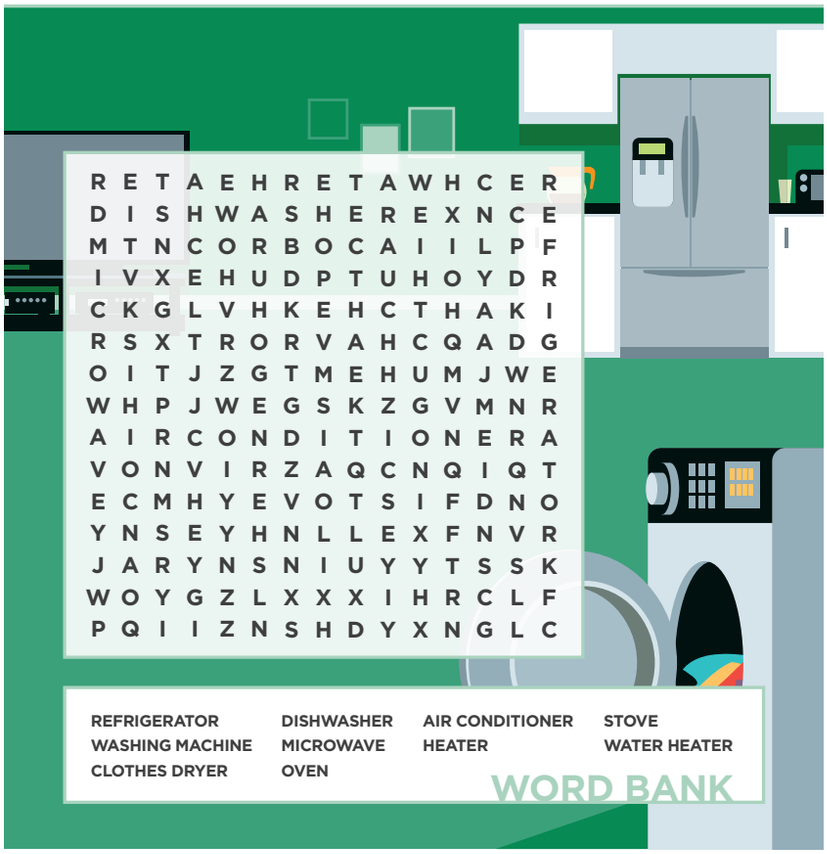
Sources: EIA, 2017 data. Includes revenue and consumer averages per mile of line.

Energy Explorers

APPLIANCE WORD SEARCH

Did you know major appliances account for a large portion of your home's energy use?

Circle the names of all major appliances in the puzzle below. Use the word bank for clues!



Energy Efficiency Tip of the Month

Cookware Tip: Copper-bottomed pans heat faster on the stove. In the oven, ceramic and glass dishes are better than metal. With ceramic and glass dishes, you can turn the oven down about 25 degrees, and your meal will cook just as quickly.

Source: energy.gov

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Kandiyohi Power Cooperative

8605 47th Street NE, Spicer, MN 56288
www.kpcoop.com

Office Hours: Mon.-Fri. 7:30am – 4pm
Phone: 1-800-551-4951
Fax: 320-796-0620

Tom McCormick
Electric Inspector: 320-221-2809

Drop boxes available for your convenience at Cash Wise and headquarters building near flag pole.

MANAGEMENT STAFF
Scott Froemming, CEO
Anthony Stern, CFO
Diane Maurice, Marketing/Customer Service
Ryan Nelson, Engineering
Scott Luberts, Line Superintendent

BOARD OF DIRECTORS:	District
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Rollo Campe- *320-894-1601*	1
Larry Powers- *320-212-7960*	1
Dan Pomranke, VC- *320-894-7113*	2
Todd Post- *320-212-1119*	2
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KILOWATT STAFF:
Robin Ryks, Editor

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24-HOUR OUTAGE NUMBER

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WHAT'S NEW WITH ELECTRIC VEHICLES?

Electric vehicles (EVs) are on the rise in the United States, and they're providing a new driving experience for many Americans. The benefits are clear from the expansion of the EV market, including less air pollution in congested areas, less carbon emissions, decreased maintenance costs and less oil consumption.

EV sales have climbed in the U.S. since they first came onto the market. In 2011, there were only around 17,000 EVs sold, compared to the 361,000 EVs sold in 2018. Cumulatively since 2011, nearly 1.2 million EVs have been sold, and that number continues to grow.

Tesla has dominated the EV market in the U.S., making up about more than half of the total EV sales in 2018. The first luxury EV was manufactured by Tesla, setting the stage for style and performance. Although Tesla dominates in sales, there are many other popular models available, and the competitiveness among them is increasing. Back in 2011, there were only two options: the Nissan Leaf EV and the Chevy Volt Plug-In EV. But in 2018, there were eight models that made up 80 percent of total plug-in EV sales. This includes many major manufacturers, like General Motors, Ford, Toyota and BMW.

One reason that the EV market has been doing so well is that the total cost of ownership of newer EV models is becoming much closer to that of gas-powered vehicles. Since maintenance costs for EVs are lower than gas-powered vehicles and the price to charge an EV is cheaper than filling a full tank of gas, people are spending less money on EVs over the course of the car's lifetime than they would on gas-powered vehicles.

A lot of the growth of this market sector is concentrated in a few states, mainly in California, the West Coast (Washington and Oregon) and the Northeast (New York, New Jersey, Massachusetts, Maryland and Pennsylvania). California leads the way in EV sales, charging infrastructure and state policies, which all contribute to the fact that California makes up about half of the country's EV market.

With the growth of EV sales comes a growing need to charge those vehicles. There are three main types of charging levels: Level 1, Level 2 and DC Fast charging. Level 1 and Level 2 are mainly for residential charging, while DC Fast chargers are made for a "gas station" experience.

For charging outside of the home, DC Fast chargers can fully charge an EV in 15 to 45 minutes. For longer drives and road trips, these chargers ensure that your car has enough juice to last the whole journey. However, DC Fast charging infrastructure is not growing as quickly as EV sales are, which presents an issue for drivers that do not live conveniently close to them.

There is a strong expectation for EV sales to continue to grow as they have been over the last eight years. Although the charging infrastructure is not evenly distributed throughout the country, there will be a strong need to continue developing it to reach a wider audience.

Many electric cooperatives are positioned to start developing charging infrastructure to address this need. The growth of the EV market and charging infrastructure across the U.S. will be the future of our nation's roadways.