NORTHERN

L I G H T S

March 2025

THE POWER OF OFF-PEAK:

A COOPERATIVE APPROACH TO HOME HEATING



When Diane Mostad and David Berg decided to build their home in rural northern Minnesota, they knew they wanted something efficient, comfortable and reliable. They began their journey into home heating, guided by personal research and the trusted expertise of Beltrami Electric Cooperative.



A thoughtful approach to heating

David and Diane's original plan was to build a home with a walkout basement, but cost considerations led them to a slab-on-grade design. After consulting with experts — including David's nephew, a heating and refrigeration professional — they decided on a system

that would offer both comfort and flexibility: in-floor electric heat combined with a gas furnace backup.

"Everyone we talked to recommended heating the slab because it holds warmth so well," David explained. "My nephew suggested adding a gas furnace for backup, and he even installed it for free — just had to cover materials."

This combination has proven to be an ideal solution. In winter, their in-floor heating keeps the home warm and cozy, while in the transitional seasons of spring and fall, the south-facing windows generate enough heat that switching to the gas furnace makes more sense. "It works well," David said. "It's nice to have options."

Evolving with energy efficiency

Over time, the couple continued to explore ways to enhance their home's energy efficiency. Initially, they installed central air conditioning, but when their unit failed, they saw it as an opportunity to upgrade to an air-source heat pump.

"We had been reading about heat pumps for a while," Diane shared.

"When our air conditioner failed, we decided it was time to make the switch." Air-source heat pumps have gained popularity for their ability to provide both cooling and heating, often at a fraction of the cost of traditional heating methods.

- Article continued on page 3 -



Beltrami Electric Cooperative Inc.

8 Your Touchstone Energy* Cooperative



MN Legislative Update

by Jared Echternach, president and CEO

As you may be well aware, electric cooperatives were born in politics, and it's extremely important we engage our legislators to advocate on your behalf on legislative issues affecting your electric cooperative. The 2025 Minnesota legislative session began Jan. 14. Here are the energy-related issues impacting your cooperative at the state level:

Property tax

Our top priority and a carryover from last year will be the property tax exemption legislation. Since 1939, the Minnesota Department of Revenue (DOR) has excluded cooperative-owned rural meters and streetlights from a rural electrification property tax and instead, Minnesota electric cooperatives pay a per member tax. This legislation would protect that exemption.

The Senate Taxes Committee heard SF 132, and the Minnesota DOR testified in support of the bill. A companion bill will be introduced in the House. The governor has also included this policy in his proposed tax bill. We support the bill.

Net metering reform

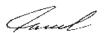
We will continue to push for net metering reform. Under existing net metering laws, we are seeing more and more net-metered systems sized at 39.9kW installed on small services. This allows the net metering participants to distribute and sell more electricity to the cooperative for which we are required by law to pay the average

retail rate. In short, we are required to pay a premium for this electricity when we could purchase it for less through our wholesale power supplier. Electric cooperatives have long sought to correct this deficiency by implementing a size-to-load provision, which would still allow members to offset their own use, which was the original intent of net metering, while protecting other members who may not want or cannot afford to install their own generation. We support net metering reform.

Nuclear

The Minnesota Rural Electric Association (MREA) is part of a coalition attempting to lift the nuclear moratorium in Minnesota. The House Energy Committee heard HF 9. a bill that would lift the nuclear moratorium. MREA testified in favor of lifting the nuclear moratorium and in general support for the bill which included carbon capture and large hydroelectricity counting toward the 100% carbon free by 2040 law. The Senate Energy Committee will continue its focus on nuclear energy with two bills. SF 350 proposes to lift the nuclear moratorium and SF 468 proposes to lift the nuclear moratorium for small modular reactors under 300 megawatts. We support lifting Minnesota's nuclear moratorium.

We will continue to advocate on your behalf to provide our members with safe, reliable, and affordable electricity now and into the future.





BOARD MEETING HIGHLIGHTS

Beltrami Electric Cooperative's board conducted its regular monthly meeting Friday, Jan. 31, 2025. A quorum of directors was in

The following reports were given at the meeting:

- · President and CEO Echternach presented Kevin Geerdes with the Credentialed Cooperative Director Certificate.
- · President and CEO Echternach and the board discussed recent safety successes and observations.
- President and CEO Echternach made his monthly report, including financials, a recap of 2024, employee updates, interconnections, franchise fees, legislative priorities and America's Electric Cooperatives PAC.
- · President and CEO Echternach presented December's preliminary financial report.
- · Bob Gregg reviewed the annual net metering and cogeneration report and associated filings.
- · Directors and President and CEO Echternach discussed upcoming meetings and events.

The following actions were taken at the meeting:

- · Approved the consent agenda.
- Approved the annual net metering and cogeneration report, associated filings and rates.
- · Appointed Marne Waldo to the Beltrami Electric Cooperative Trust Board (Operation Round
- · Appointed all nine directors as the Minnkota Power Cooperative and Square Butte Electric Cooperative annual meeting voting delegates.
- · Approved director and President and CEO expenses.
- · Approved a tentative agreement with a bargaining unit.

The next board meeting will be held on Wednesday, March 26, 2025.

THE POWER OF OFF-PEAK (continued)

With their home already outfitted with ductwork, the transition was seamless. "The heat pump's efficiency is going to help lower our bills while keeping us comfortable year-round," David noted.

The value of cooperative service

Through every step of their home heating journey, Beltrami Electric Cooperative has been a trusted partner. Diane and David have benefited from the cooperative's reliability, knowledgeable staff and commitment to member service. "The continuity and reliability are what we appreciate most," Diane said. "Beltrami Electric has been progressive in keeping up with technology, underground lines and environmentally friendly power solutions."

Planning ahead for a smarter home

For those considering building or upgrading their heating systems, Diane offers practical advice: "Think ahead. Plan for what's best for your home in the long run."

Beltrami Electric provides multiple programs to support members in making smart energy decisions, including off-peak heating programs. These programs allow homeowners to use electricity during lowdemand times at a reduced rate, leading to significant cost savings over time.

As energy technology continues to evolve, members like Diane and David are proof that with a little planning, the right support and a commitment to efficiency, rural homeowners can enjoy both comfort



and cost savings - all while benefiting from the power of off-peak heating and cooperative membership.

Kevin Geerdes completes Credentialed Cooperative Director (CCD) Program

Beltrami Electric Cooperative board member Kevin Geerdes recently received a certificate for completing the Credentialed Cooperative Director (CCD) program. The CCD program consists of courses that focus on basic governance knowledge and the essential skills required of cooperative directors. The CCD prepares directors to fulfill their fiduciary duty as elected officials serving on behalf of their membership. Congratulations to Kevin on completing the CCD program.



THRONSON PROMOTED TO FOREMAN



Chris Thronson accepted the line foreman position in January. Chris will celebrate his 20-year work anniversary in April 2025. Congratulations, Chris!

Operation Round Up® application deadline!

Do you know of a nonprofit organization in our service territory that would benefit from a grant from Operation Round Up? Community organizations and nonprofit groups may apply for an Operation Round Up grant by completing and returning an application form.

For more details and a fillable application, please visit our website at beltramielectric.com/operation-roundup

The deadline for grant applications is **FRIDAY, MARCH 21, 2025.**



As a not-for-profit, member-owned cooperative built by those we serve, our focus is on service, not profit. We only change rates when necessary to keep our service reliable, pay our loans and stay financially stable.

In April, for the first time since 2018, Beltrami Electric Cooperative will be adjusting rates to:

- Maintain a reliable electric distribution system,
- Keep pace with rising costs,

- · Adapt to grid changes, and
- Pay our loans to meet financial obligations.

Our wholesale power supplier, Minnkota Power Cooperative, will increase rates by 8% in April. Wholesale power accounts for roughly 70% of our total costs and has a significant impact on our operations. This is Minnkota's first rate increase in eight years.

> The average rate change will be approximately 12.7% and will vary by member, depending on rate classification and how you use electricity. Spread over seven years, this averages 1.8% per year, which is below the rate of inflation over the same period.

Three-part rate

BEC will be moving to a threepart rate, which will be made up of three components:

The monthly access charge, a kWh (energy) charge, and a demand charge to better align our rates with how we pay for wholesale power, which includes a demand component.

Member resources & tools

Members can find detailed information about the upcoming rate change, including a demand calculator, residential rate calculator, frequently asked questions and energy-saving tips on our website.

www.beltramielectric.com/rates

Look for a full-page letter/bill insert with April billing statements providing additional information about the upcoming rate change.

Charge

Energy

Charge

Demand

Charge

ASK THE EXPERT!



DEMAND Q&A

Mike Birkeland - VP of Electrification and Member Experience

Q. Why add a demand charge?

A. A cost-of-service study showed we need to better match the cost of peak usage with peak power costs on the grid. The buildout of solar and wind energy can cause shortages in power markets when the wind isn't blowing and the sun isn't shining. When a power supply and demand imbalance occurs, BEC has to pay more for power. The addition of a demand charge better reflects the way your cooperative pays for wholesale power. A demand charge accounts for these higher grid costs during times of peak demand. This change will better align member rates with the cost of wholesale power.



Mike Birkeland VP of Electrification and

Q. How is my demand calculated?

A. "Demand" measures the highest amount of power used at one time each month. Running more Member Experience appliances and devices at once increases your demand. The average demand is measured in kW (kilowatts) on the general service (main) meter. The 60-minute interval with the highest demand is used to calculate the monthly peak demand on your bill. Typical BEC households average a demand of 4.6 kW per month.

Q. What about Off-Peak?

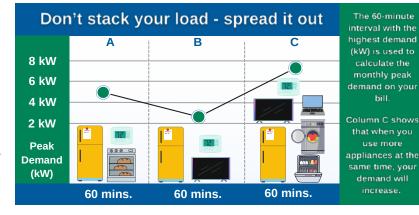
A. Off-peak meters and programs are excluded from a demand charge since these loads are shut off during peak demand periods. Off-peak programs and loads do not contribute to supply and demand imbalances on the grid. Off-peak loads help balance the grid (and BEC's costs) when controlled during peak demand periods.

Q. How can I track my demand?

- A. You can track your demand several ways.
 - 1. On your bill: Your monthly demand is posted in the Account Detail section of the bill.
 - 2. SmartHub: View demand in real-time through the SmartHub mobile app or through SmartHub on our website. In the menu, select Usage, then Usage Explorer, change the Usage Type to [kWh and Demand (kW)] and a line will appear to show your demand.
 - 3. MyMeter: Select Demand (kW) in the chart view to see your demand. You can also set
 - notifications for your demand if it goes over a certain kW in an hour, day, week or billing period.

Q. How can I lower demand?

A. Don't use too many high-power appliances at once. Spread out electric use to minimize your demand charge. For example, avoid running your air conditioner, electric oven and clothes dryer at the same time (see graphic to the right for examples of how running multiple items at one time can affect demand).





Classifieds

Classified ads rules

- Ads are due by the following dates:
 APPILLES Librait by March
- o APRIL ISSUE: Submit by March 3.
 o MAY ISSUE: Submit between
 March 4 and April 4.
- Ads may be submitted via our website at www beltramielectric.com. (preferred)
- NO real estate, rental, personal or commercial ads will be accepted.
- All ads must be 50 words or less and typed or printed clearly.
- Editor reserves the right to edit or reject any ad.
- Members may only submit one for sale and one wanted or free ad per issue.
- Ads are published at no charge as space permits on a first-received, first-printed basis, with no guarantee your ad will appear.
- Ads are only allowed to be repeated for three consecutive months and must be resulmitted each month
- Include name and Beltrami Electric account number on all submissions.

For Sale:

20-ft covered slip with electric. In the harbor on Kabekona Bay of Leech Lake. \$1,200 for season. Call Gary at 970-901-2605.

4x5 round hay bales and sq straw bales. Please call 218-407-3514 anytime. Cash-n-carry/ U-Haul away.

Older Simplicity 8 hp. snowblower. Needs carburetor cleaning. Worked great for 30 years. \$50, 218-766-2209.

Singer Featherweight sewing machine. Authenticated 1940s model with original parts. \$250. Includes case and attachments. 218-854-7520.

2006 Grizzly 660 with plow, good condition with new tires, hand and thumb warmers and diff. lock. \$4,000/obo. Call 218-766-1108, please leave message if no answer.

Shrunk inflatable toddler bed. Like new, only used a couple of times. \$45. 218-556-8507.

Double snowmobile trailer \$1,200. Please call 218-556-8155.

1928 Ford Model A Coup with rumble seat \$10,000. Air compressor, Sanborn 60 gal \$150. Queen mattress for camper 8" x 60" x 80", never used \$150. 1948 Firestone record player console w/radio \$100. Please call 218-444-9794.

Time for tree tapping! Taps, hoses, collection containers, cooking kettles, Coleman white gas stoves for outdoor cooking, bottles for syrup. Twelve ft. two pc. surfcasting rod. Penn 200 reel, protective fabric sleeve. \$300 value now \$100. Chest waders, men's 8 and 10. \$35 each.

Two vintage sewing machines: a "Domestic" brand rotary electric sewing machine in wood cabinet, and a "Montgomery Wards" brand treadle sewing machine in wood cabinet – \$700 each. Used. Good condition.

Rabbits, hay for sale, small square bales \$3/each, large round bales \$45/each very nice grass hay horse qualify. Goose neck livestock trailer, roughly 20 ft long, new tires, brakes, paint and floor \$5,000. 218-766-2853.

Carhartt duffel bag \$50. Laptop case \$40. Vintage Ideal Radiant coal heater \$50. Horse

statues and plates \$10 each. 218-759-0186.

2001 Dodge Caravan: runs, moves, 157K, 3.3 V-6 motor 4-spd overdrive tranny {RUSTY} comes with tune-up items, extra alts and starters, new block heater, clear title, asking \$2,000 FIRM. Also have a 09 Ford Crown Vic Interceptor 141K asking \$4,000/obo but will listen to offers. 218-444-9422.

For sale or trade: Western Unimount Truckmount for a 2000 Ford Ranger. Call or text: 218-368-2369.

1977 Johnson 16-ft M-scow sailboat/trailer. Good condition. Multiple sails, 24-ft mast, 2 extra rudders, original sailing manual. Fast sailing. \$900. 2000 release Ninja Turtle toy action figures, van and motorcycle, \$100. Call 218-586-2856.

Wanted:

Do you have an old chair you want recaned? Call Nate at 218-407-0168.

Reliable housekeeper 1-2 hours weekly in Blackduck. Retired teacher, will care for your pet while you're gone. Your home or mine. Will also house-sit. Call 218-766-6510.

10kW 240-volt electric furnace. 2kW 240-volt inwall electric wall heaters. Milwaukee M-12 cordless tools and lithium batteries. 16-volt cordless Rockwell drill and tools with lithium batteries. Truck snowplow mount-looking for a Western unimount for a 2000 S-10 Chevy. Call or text: 218-368-2369.

Free:

Direct TV receiver. 586 2884.

Saturday, May 3, 2025

United Way of Bemidii Area



RIC fi

BELTRAMI ELECTRIC

Indoor Garage Sale

Booth reservations for vendors will be open on **Wednesday**, **April 2**, **2025**, and will be accepted until all booths have been filled. If interested, stop by our office at 4111 Technology Dr. NW in Bemidji and sign up, or contact Cammie at **218-444-3675** or cvogel@beltramielectric.com.

MARCH READER'S CONTEST

For your chance to be entered in a drawing to **win a \$10 credit** on your bill, correctly answer the questions and include with your payment or mail to: BEC, P.O. Box 488, Bemidji, MN 56619. Or email answers to **info@beltramielectric.com** with the subject line "Reader's Contest." Be sure to include your name and BEC account number. **Entries must be received by March 25**.

1. BEC supports reform. 2. Typical BEC households average a demand of kW per month. 3. Members an find a rate comparison and a demand			
on our website. Member Name:	BEC Account Number:	Phone/Email address:	3
Congratulations to January c	ontest winner: Deborah Best		

NEED HELP PAYING YOUR ELECTRIC BILL?

Energy assistance may be available!

The Energy Assistance Program (EAP) helps pay for home heating costs and furnace repairs for incomequalified households. We urge you to contact them immediately to avoid disconnection if you feel you are eligible for aid. (Eligibility is based on energy costs, household size and the most recent month of income.)



BI-CAP IN BEMIDJI

6603 Bemidji Ave N Bemidji, MN 56601 218-751-4631

BI-CAP IN WALKER

8245 Industrial Park Rd NW Walker, MN 56484 218-547-3438

KOOTASCA

201 4th Street NW, Suite 130 Grand Rapids, MN 55744 218-999-0824

LEECH LAKE

115 6th St Cass Lake, MN 56633 218-335-3783

MAHUBE-OTWA

120 North Central Ave Park Rapids, MN 56470 218-847-1385

RED LAKE

15809 High School Dr Red Lake, MN 56671 218-679-3350



OR APPLY ONLINE

Visit energy-assistance. web.commerce.state. mn.us for EAP income guidelines and program information.



CO-OP **CONNECTIONS® PROGRAM**

Providing value to Beltrami Electric members

Download the mobile app today!





LOCAL BUSINESS -OFFERS



A Stitch in Time

\$5 off any sewing or vacuum service 200 Paul Bunyan Dr S, Suite #2, Bemidji

Beltrami County Historical Society

\$1.00 off adult admission, up to 4 adults (single visit only, not valid with other offers) 130 Minnesota Ave SW, Bemidji

Bemidji Communications

20% off labor 211 Minnesota Ave NW, Bemidji

Bemidji Sports Centre

5% off apparel (hats, jackets, soft lines) 1826 Anne St NW, Bemidji

Bemidji Woolen Mills

10% off total purchase 301 Irvine Ave NW, Bemidji

Big Apple Bagels-Bemidji

10% off regularly priced menu items 1710 Paul Bunyan Dr NW, Bemidji

Buena Vista Ski Area (Seasonal)

10% off regular-price ski lift ticket (excludes Friday nights) 19600 Irvine Ave NW, Bemidji

Compass Rose

10% off regular-price items (Some exclusions apply) 108 3rd St NW, Bemidji

Country Kitchen of Bemidji

10% off ticket 728 Paul Bunyan Dr NW, Bemidji

Darrell's Auto Glass

10% off complete windshield replacement 2035 Adam's Ave NW, Bemidji

Garden Grill & Pub

Free side order of fries with order 111 Central Ave SE, Bemidji

Headwaters Realty Services

No real estate transaction fees (\$350 value) Free consultation & home staging tips 802 Paul Bunyan Dr S #15, Bemidji

Headwaters Science Center

Receive 1 free child admission with the purchase of 1 adult admission. . 413 Beltrami Ave NW, Bemidji

Hill's Country Greenhouse (Seasonal) 10% off regular price purchase (Excludes special orders and gift certs) 49274 US 71, Bemidji

Image Photography and Framing

10% off in-studio portrait sessions for family or high school seniors, Free duplicate DVD of any videotape transfer (limit 10)

1305 Bemidji Ave N, Bemidji

Jackson Hewitt Tax Service

33% off tax preparation new customers (Use Code: XK6T9) 1008 Paul Bunyan Dr NW #3, Bemidji

Keith's Pizza, Inc.

\$2.00 off any large or extra large pizza (Not valid with other discounts, offers or unbaked pizzas)

South: 110 Paul Bunyan Dr S, Bemidji North: 1425 Paul Bunyan Dr NW, Bemidji

Ken K. Thompson Jewelry

20% discount on all regular-price jewelry (not valid on repairs or prior layaways) 1080 Paul Bunyan Dr NW, Bemidji

Lakes Area Powersports

Additional 10% off in-stock parts, accessories & clothing 8322 State 371 NW, Walker

LePier Shoreline & Outdoors

10% off marine product purchase & 307 Convenience Lane SW, Bemidji

McKenzie's

10% off regular-price merchandise (Excludes consignment vendor items. See store for details) 802 Paul Bunyan Dr S, Bemidji

Midnight Sun Pools n' Spas

10% off chemicals 3411 Hannah Ave NW, Bemidji

MJB Home Center

Free hoses or cords with purchase of new washer, dryer or range 418 Beltrami Ave NW, Bemidji

Mommykins Creations

5% off total purchase 23654 398th St, Laporte

Northern Event Rentals

10% discount on table or chair rental 3859 Cornflower Ct SE, Bemidji

Orton's Station Stores:

Bemidji Orton's, Cass Lake Orton's, Walker Orton's, Walker Y-Mart 5¢ off per gallon of gasoline

Papa Murphy's

\$3 off any pizza, any size (not valid with other offers) 512 Paul Bunyan Dr NW, Bemidji

Pete's Place South

5¢ off per gallon of gasoline 179 Convenience Ln SW, Bemidji

Red Lake Fish Houses (Seasonal)

10% off Tuesdays and Wednesdays 35241 Hwy 72 NE, Northome

Royal Shooks Motel

10% discount Tuesdays & Wednesdays 35241 Hwy 72 NE, Northome

Snap Fitness-Bemidji

10% off regular-price membership 3835 Supreme Ct NW, Ste I, Bemidji

SND Appliances

2% off purchase 3481 Laurel Dr NW, Bemidji

Stittsworth Meats

5% off total order 722 Paul Bunyan Dr NW, Bemidji

Timberline Sports 'n' Convenience

Save 10% on select gun accessories with purchase of a firearm 209 Summit Ave W, Blackduck



Visit connections.coop to view local and national deals!

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MN STATE ELECTRICAL INSPECTORS

Any time you or an electrician does wiring or other electrical work at your home or farm, Minnesota state law 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. Inspectors can be reached weekday mornings between 7 a.m. and 8:30 a.m. Find service territories for electrical inspectors here: https://workplace.doli.state.mn.us/jurisdiction/

BELTRAMI & HUBBARD COUNTIES:

Wade Koons | 218-580-8589 wade.koons@state.mn.us

CASS & HUBBARD COUNTIES:

Tony Kohrs | 218-616-1554 tony.kohrs@state.mn.us

GOPHER STATE ONE CALL

1-800-252-1166 or 811 www.gopherstateonecall.org

Anyone who plans to dig is required by law to notify the state of their intentions at least 48 hours in advance. All digging requires a 48-hour notification so that buried telephone lines, TV cable, pipelines, and utility electric lines can be located to ensure that none will be severed or damaged.

OUR MISSION STATEMENT

To provide excellent value to our members through the safe delivery of reliable electric service, excellent member service and innovative energy solutions at fair and reasonable prices.

This institution is an equal opportunity provider and employer.



Connecting Communities.

Powering Life.

PROFESSIONAL OFFICE SPACE AVAILABLE FOR LEASE

Suite# 203: Features 923-sq. ft office suite, including a reception area plus three separate office suites. Will modify to suit. Second-floor location, elevator, and adjacent conference/meeting room. Located in a safe, clean, quiet, low-traffic area of a well-maintained professional building.



For further details on this space, contact Mike Birkeland, Beltrami Electric Cooperative, **218-444-2540**.

Beltrami Electric Cooperative's headquarters

NOTICE TO COGENERATORS

In accordance with Minnesota Statutes, Beltrami Electric Cooperative has adopted rules relating to cogeneration and small power production. Beltrami Electric Cooperative is obligated to interconnect with and purchase electricity from cogenerators and small power producers who satisfy



the conditions as a qualifying facility. Beltrami Electric Cooperative is obligated to provide information free of charge to all interested members upon request regarding rate and interconnection requirements. All interconnections require an application and approval to become a qualifying facility.

Any dispute over interconnections, sales and purchases are subject to resolution by the Beltrami Electric Cooperative Board. Interested members should contact Beltrami Electric Cooperative, 4111 Technology Dr. NW, P.O. Box 488, Bemidji, MN 56601, or call **218-444-2540**.