

COOPERATIVE CONNECTIONS



Building Communities

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Electrical Grid
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Dave Eide, right, presents a check to Jason Foster, left, fire chief of Garden City Fire Department. Through the REED fund, the department secured a loan to renovate the fire hall.

Winter Fun



Jeremy Lindemann
CEO/GM

Hello Lake Region Members!
I hope everyone had a great holiday season filled with family and friends and good times!
Each year around Christmas time, I watch the movie Grumpy Old Men while going through all my ice fishing gear. This movie is a classic and is great for providing a few laughs and it helps me get into the spirit of Christmas and ice fishing!
Is there a greater winter activity then ice fishing?

Now hear me out on this! I know we are now in the heart of winter and some of our friends and family have fled south to more sunny locations while the rest of us are here battling the cold and snow. I will admit now that I am a bit older, I certainly see the appeal of spending a winter down south soaking up the sun. But if I am being honest, I do not think I could give up one of my favorite pass times, ice fishing! While some may prefer to sit by the ocean in Florida eating crab and lobster, I would prefer a mess of perch any day!

And while people down south are out driving their golf carts and enjoying a great day in the sun on the golf course, I am driving my snowmobile across a frozen lake looking for that perfect spot to drill some holes and set up the ice shack and to start putting fish in the bucket!

Now, people may think I am crazy but to me there is not anything better than the frigid wind on your face while riding across the lake to your favorite fishing spot. Sitting in the ice shack with the glow of a propane heater and watching the Vexilar or waiting for the bobber to go down and for that big walleye to hit your jig! Ugh, to me that is heaven! It is one of the things I love about this area! Here, there are all kinds of lakes and sloughs to make this dream a reality!

One day I was talking about ice fishing with some of my coworkers, one of them who was giving me a “hard time” about working most of my electric co-op career in Minnesota said to me, “You know why Minnesota says they have 10,000 lakes don’t you?” I said, “No?” They replied with “Well, it is because they can’t spell slough!” As you can imagine, this made me tear up with laughter! I replied with “There is some truth to that!”

For those of us tough souls who love to ice fish, I hope to see you out there on the ice or in the bait shop or loading up with snacks at the gas stations to venture out onto the lakes to catch your limit of fish! Feel free to stop me and introduce yourself and if you have a hot tip where the fish are biting, well I would welcome that as well! Oh, and in case you are wondering about what kind of ice auger I have: well, of course, it’s electric!

Until next time, rest assured, we will keep the lights on for you!

Jeremy T. Lindemann
CEO/General Manager



**COOPERATIVE
CONNECTIONS**

**LAKE REGION ELECTRIC
RIPPLES**

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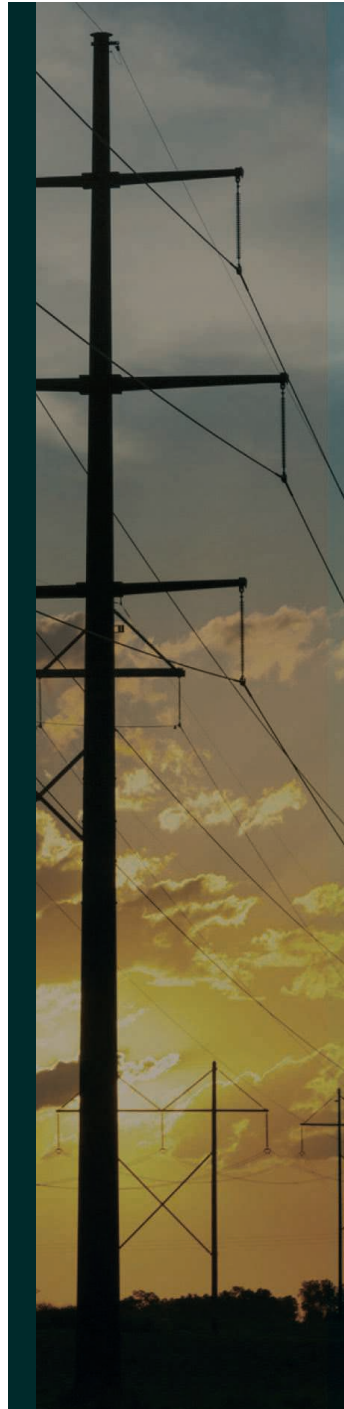
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COOPERATIVES
PARTNERS IN PROGRESS

**ANNUAL
MEETING**

**JUNE
5th
2025**

Webster, SD

**SAVE
THE
DATE**



WELCOME TO OUR NEW MEMBERS!

Matha Abernathy
Kyle Severson and Bridgette Chriswell
Brayden Peterson
Patrick Jackson

Marilyn Roehr 2015 Family Trust
Shad and Melissa Storley
Randy and Cheryl Majeske
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Fire Safety

Cooking and heating are the leading causes of home fires and fire injuries, and winter months are the peak time for fire-related deaths.

Minimize Your Risks

The good news: Deaths from home fires in the U.S. have trended downward since the 1970s, according to Injury Facts, but even one death from a preventable fire is too many. While fire doesn't discriminate by age, it is the third leading cause of death for children 1 to 14.

When cooking, make fire safety a priority by keeping these tips in mind:

- Be alert; if you are sleepy or have consumed alcohol, don't use the oven or stovetop
- Stay in the kitchen while you are frying, grilling, boiling or broiling food
- When simmering, baking or roasting, check the food regularly, remain in the kitchen while cooking and use a timer
- Keep anything that can catch fire away from your stovetop

Heating is the second leading cause of home fires.

Follow these tips:

- Keep all flammables, like paper, clothing, bedding, drapes or rugs, at least three feet from a space heater, stove or fireplace
- Never leave portable heaters and fireplaces unattended; turn off heaters and make sure fireplace embers are extinguished before leaving the room
- If you must use a space heater, place it on a level, nonflammable surface, like ceramic tile, not on a rug or carpet
- Keep children and pets away from space heaters
- When buying a space heater, look for models that shut off automatically if the heater falls over

Other top causes of fire include smoking, electrical problems and candles. To minimize risks:

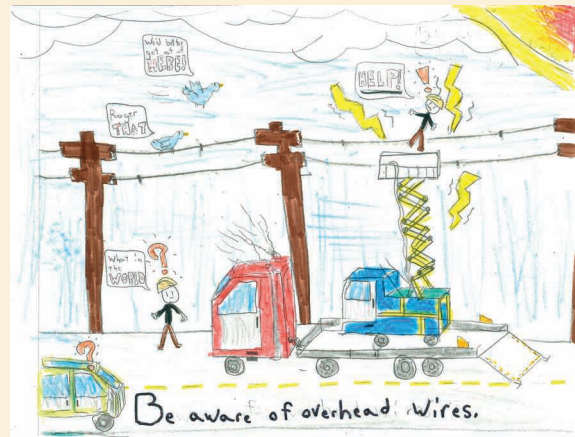
- Institute a "no smoking" policy in the house
- Check all cords and replace any that are frayed or have bare wires
- Switch to flameless candles
- Keep matches and lighters high and out of children's reach in a locked cabinet

Working Smoke Alarms Are a Must

Replacing the Battery on a Smoke Alarm About three out of five fire deaths happen in homes without working smoke alarms. Smoke alarms are a key part of a home fire escape plan providing early warning to reduce your risk of dying in a fire. The National Fire Protection Association recommends you:

- Install smoke alarms on every level of your home, inside bedrooms and outside sleeping areas on the ceiling or high on the wall
- Keep smoke alarms away from the kitchen, at least 10 feet from the stove, to reduce false alarms
- Use special alarms with strobe lights and bed shakers for people who are hard of hearing or deaf
- Test smoke alarms monthly
- Replace batteries in your smoke alarm and carbon monoxide detector annually
- Replace smoke alarms that are 10 or more years old

Source: National Safety Council



"Be aware of overhead wires."

Vance Claeys, Age 11

Vance Claeys cautions readers to be careful when working around power lines. Thank you for your picture, Vance! Vance's parents are Jake and Bridget Claeys, members of Lyon-Lincoln Electric.

Kids, send your drawing with an electrical safety tip to your local electric cooperative (address found on Page 3). If your poster is published, you'll receive a prize. All entries must include your name, age, mailing address and the names of your parents. Colored drawings are encouraged.

SOUP

Sensation

BROCCOLI CHEESE SOUP

Ingredients:

- 1 large pkg. frozen broccoli
- 1/4 cup water
- 3 tbsps. margarine
- 10 oz. package corn
- 1/4 cup chopped carrots
- 1/4 cup chopped onion
- 1/4 tsp. pepper

Cook the above and add
 3 cans cream of potato soup
 3 cups milk
 2 cups shredded Cheddar cheese
 1/2 cup shredded Monterey Jack cheese
 Stir until melted

LaVonne Schmidt
 Sioux Falls, S.D.

NORWEGIAN FRUIT SOUP

Ingredients:

- Bring 1/2 gallon water to a slow boil.
- Add 1 pkg. of sweetened dried cherries, banana chips, apricots, prunes, 2 apples (all cut into pieces)
(Optional to use any dried fruit you wish)
- 1/2 cup golden raisins
- 1/2 cup regular raisins
- 2 whole cloves
- 2 cinnamon sticks
- 1 cup sugar (you can use Splenda)

Method

Boil slowly for one hour add 3 tbsps. tapioca and a large pkg. of cherry jello.
 Refrigerate and serve with whip cream.

Kari Reder
 Warner, S.D.

CABBAGE SOUP

Ingredients:

- 1-2 tbsps. vegetable oil
- 1 pkg. (14 oz.) smoked sausage, sliced 1/4 in. thick
- 1 large yellow onion, chopped
- 1 tbsp. tomato paste
- 1 small green cabbage, cored and shredded (about 8 cups)
- 1 medium carrot, finely chopped
- 1 can (14 1/2 oz.) petite diced tomatoes
- 1 1/2 tsps. salt
- 1/2 tsp. garlic powder
- 1/2 tsp. ground black pepper
- 1/4 tsp. onion powder
- 1/8 tsp. crushed red pepper
- 4 cups chicken stock or broth
- 1 can (15 1/2 oz.) white beans, drained and rinsed
- 1 tbsp. white wine vinegar

Method

Heat oil and cook sausage, until browned. Remove from skillet. Add onion and tomato paste; cook and stir until onions are slightly softened and tomato paste has darkened. Add cabbage and carrots to stockpot. Cook, stirring frequently, about 30 minutes or until cabbage has softened and begins to caramelize. Stir in tomatoes, salt and spices. Cook 10 minutes longer or until cabbage is very soft. Return sausage to pot. Stir in stock and beans. Bring to boil. Reduce heat and simmer 10 minutes. Stir in vinegar. Serve hot, sprinkled with freshly grated Parmesan cheese, if desired.

McCormick.com

Please send your favorite recipes to your local electric cooperative (address found on Page 3). Each recipe printed will be entered into a drawing for a prize in December 2025. All entries must include your name, mailing address, phone number and cooperative name.

ATTENTION Trade Students

Do you want free money for school?

Apply now for the Charles Johnson Education & Training Trust Scholarship

The scholarship through the Charles Johnson Trust is awarded to persons who intend to further their education in order to return to the area with the knowledge and skills necessary to flourish in the trades industries.

Criteria for Award

- **Qualifying Course of Study** Examples, not limited to: Precision Machining, Welding, Electronics, Robotics, Energy Technology, Engineering, Construction Management, etc.
- **Positive Character Qualities**
- **Future Goals & Plans Align With Scholarship**
- **Reference from educator or employer**

For information and applications:

- Visit: www.lakeregion.coop
- Contact Laura at Lake Region Electric
- Contact your High School Counselor



Applications Due April 1st

Scholarships Available



Through Lake Region Electric Association

\$1,000 LREA / Basin Electric Scholarship

Scholarship recipients are selected based on academic record, potential to succeed, leadership and participation in school and community activities, honors, work experience, a statement of education and career goals, and an outside appraisal.

\$1,000 LREA Duane Snaza Memorial Scholarship

Scholarship recipients are selected based on Scholarship recipients are selected based on participation in school and community activities, grade-point average, work experience, SAT/ ACT scores, statement by student explaining his/ her educational and career goals, a written recommendation by a third party and presentation of the application.

Applications can be obtained from your high school counselor, or by visiting our website: www.lakeregion.coop

For questions or more information regarding scholarships: call our office: 605-345-3379 or email: Lakeregion@lakeregion.coop

Applications must be returned to Lake Region or postmarked by February 14, 2025

When the Lights Turned On

Lyle Gehm Remembers the Days Before Power

Jacob Boyko

jacob.boyko@sdrea.coop

For many rural farmers in the 1940s, time seemed to stand still.

The technological advancements born from electrification weren't easily accessible for anyone living off of the electric grid. Kingsbury County-native Lyle Gehm's family was no exception.

The Gehm family's farm seemed to share more similarities with Laura Ingalls' nearby 1880s homestead than it did with the houses just up the road in De Smet.

"You didn't want to get too far away from the stove in the wintertime," Gehm said of freezing nights inside the home. "The stove sat in the middle of the house and bedrooms were scattered around. At night, you'd change the covers around on the bed every so often because we'd lay there and our breath would frost on the covers."

Like other farm families before electrification, the Gehms found creative solutions for everyday challenges. Iron bed warmers helped make getting into a cold bed a little more bearable, but the coldest nights were spent huddling by the stove. Butter and cream were stored in the cistern to stay cool in the summer. Windmills assisted some of the more laborious tasks. The house had several small lights, but they were powered by a battery in the basement.

"I remember mom would run her Maytag washing machine with a gas motor, and we had to stick a pipe out the back of the house for the exhaust," Gehm recalled. "And I remember seeing dad standing with the tire pump, filling a tire."

Gehm says at the time, he never really considered how electricity could change how he lived and worked. So far, his only experience with power was when the family would make the trip into town to shop.

Even Gehm's country school was without electricity; Students squinted down at their workbooks on dreary, cloudy days, while in the wintertime, they took turns standing next to the stove.

The family's way of life drastically changed in 1948 when, after several long years of hard work, crews from Kingsbury



Electric Cooperative finally reached the farm south of De Smet as they worked to put the prairie on the grid.

"The folks told us, 'they're working this way and we're gonna have juice,'" he recalled. "We were happy. It was a great experience getting electricity and seeing all it could do for you."

For 13-year-old Gehm, that meant chores were a little simpler, the lights were a bit brighter and the house was much, much warmer.

"For me as a kid, being warm during the wintertime was a big, big change," Gehm said. "After we got power, dad put in a furnace [with a fan] so we got heat in every room. That made a world of difference, and it changed our lives a lot."

Kingsbury Electric crews didn't look much like they do today, Gehm pointed out. On a small budget with limited manpower, the work crew that arrived on Gehm's farm in 1948 was a rag-tag group of guys working with rudimentary equipment. But they didn't let that stop them from seeing to it that Kingsbury County was electrified.

"The equipment that they'd use to put poles in – it wasn't painted white like it is today," Gehm recalled. "It looked like a bunch of stuff the blacksmith shop made. It probably took those guys an hour to put one pole in. Getting electricity was hard work for those guys."

It was Gehm's deep appreciation to the workers' commitment that led him to run for a seat on the co-op's board of directors in 1977, where he served 12 years.

"It's probably one of the best things that ever happened to peoples' lives, getting electricity," he said. "We were able to do things faster, better, cheaper. Once we had electricity, we didn't want to get rid of it."



Pulse of Life Kids Center in Vermillion, S.D.

BUILDING COMMUNITIES

REED Fund Helps Support Local Growth

Jacob Boyko

jacob.boyko@sdrea.coop

Small towns and rural communities are the backbone of electric cooperatives, with many co-op members relying on their small towns for shopping, childcare, entertainment and other basic needs and services.

That’s why co-ops are working to help keep – and expand – services and job opportunities in small towns using the co-ops’ Rural Electric Economic Development Fund, or REED.

REED is a non-profit organization launched by the electric cooperatives in 1996 to finance community-focused projects across small towns in South Dakota and Western Minnesota where affordable financing can be harder to secure.

REED has multiple sources of funding, but one of the main sources of funding over the years has been the United States Department of Agriculture. REED has utilized both the Rural Economic Development Loan and Grant Program (REDLG) and the Intermediary Relending Program (IRP), which together have amounted to more than \$30 million.

Through the REDLG program, REED

can fund eligible projects at a 0% interest rate. Through the IRP program, REED applies for low-interest loans and then re-lends the money at a rate slightly higher than the USDA rate – but still less than traditional lending sources. This adds money to the fund and perpetuates it for future projects.

Since the fund’s inception, it’s been used to support more than 400 community-focused projects.

East River Electric Business Development Director Mike Jaspers says it’s in co-ops’ best interests to make rural living just as feasible as living in a larger city.

“It comes back to our principle of commitment to community,” Jaspers explained. “REED ensures our membership has their vital needs met, and they can enjoy the amenities of life in a rural setting when they’d otherwise have to go to a larger city to access some of those services.”

Eric Fosheim, East River Electric’s economic development director in charge of the REED fund, said the \$130 million lent by REED has impacted more than 10,000 jobs and amounted to over \$1 billion of economic impact throughout

South Dakota and Western Minnesota.

“Our \$1 million investments help spur \$10 million projects, which means for every \$1 REED invests into a project, it roughly has a \$9 or \$10 impact,” he explained.

As a supplemental lender, REED won’t finance a project alone; organizations still must secure funding from other sources. However, REED’s low interest rates and community focus can be just what a project needs to catalyze it over the finish line.

As members of the REED fund, co-ops can impact economic development projects while letting REED take on the financial risk.

“The co-ops aren’t on the hook and aren’t guaranteeing the loans here,” Fosheim explained. “REED is doing that.”

Pulse of Life Kids Center – Vermillion, S.D.

Pastors Glenn and Angela Pulse had a vision and a calling. Pulse of Life Foursquare Church, which they hoped to start on Vermillion’s Main Street inside an old medical clinic, had the ability to serve a greater need in the community, where the wait lists for childcare sometimes exceeded three months. They had the faith — they just needed some resources.

The church council worked with First Bank & Trust to secure a loan to create the Pulse of Life Kids Center, but the bank couldn’t lend them the entire amount they needed.

“New daycare centers have a high rate

of failure, so we couldn't qualify for all of the money that we needed through bank loans," Angela explained. "Instead of saying no, the bank manager suggested we go about it in a different way. That's how the conversation about the REED fund came up."

Clay-Union Electric Manager Chris Larson said supporting the Pulses, who are members of the co-op, made sense for Vermillion, where challenges from workforce shortages and the lack of childcare options are prevalent.

"It fills a need in our community," Larson said.

Fosheim agrees.

"Workforce challenges have really been an issue in recent years and one way we try to help with that is by investing in daycares," he said. "Daycares don't always look that good on paper from a financial standpoint, so a lot of these organizations have a hard time getting adequate financing."

With the REED fund's \$245,000 loan, the Pulses' vision finally took shape and the Kids Center opened in 2023. Today, the center offers faith-based daycare with a capacity for 43 of the community's children.

"It's encouraging because it puts more options on the table to make these new things possible," Angela said. "There's no way we could have done this without the REED fund."

Fire Station – Garden City, S.D.

In Garden City, a small community northwest of Watertown, a dilapidated fire hall sat rotting into its own footprint.

"It was just in a state of disrepair," said Scott Campbell, treasurer at the Garden City Fire Department. "The walls were pushing out and we had to put plastic over the doors. It was cramped and old. The truck was parked over a basement area, and being heavy and full of water it caused some concern."

Options were narrowing; Garden City would have to act fast or lose their fire station and rely on surrounding communities during an emergency.

Codington-Clark Electric Director



Nursing home expansion in Philip, S.D.

Russel Foster, who also volunteers for the fire hall, approached his co-op's manager, Dave Eide, in 2022 about using REED to breathe new life into Garden City's fire hall.

Eide agreed and helped with the application process, championing the fire hall as a vital need for Garden City, the co-op and co-op members.

"Everybody needs fire protection," Eide explained.

Through REED, the fire hall secured a \$230,000 loan. The new hall features a community room, which Scott said filled a desperate need.

"We had no place to vote, no place for birthday parties," Campbell said. "Township meetings were in houses at kitchen tables."

For Eide, the REED fund is just another example of what co-ops are supposed to do – serve communities.

"It's an extension of what co-ops are in the first place," he said. "We sell power to members and that's one way we help and serve our communities. The REED fund is just another extension of that."

Elder Care – Philip, S.D.

In rural Philip, limited options for elder care had some long-time locals facing tough decisions.

"Our nursing home for a lot of years was not big enough," said Cindy Pfeifle, business manager at Philip Health Services. "Members of our community were having to leave the area when they needed nursing home care."

After applying for a REED loan in 2022 through West Central Electric and securing funding from other community sources, Philip Health Systems renovated and expanded the nursing home, increasing occupancy from 30 beds to 42 beds.

West Central Electric CEO Jeff Birkeland said access to the REED fund is essential for rural areas without much population growth.

"We need to keep our people from moving away and keep our businesses local," Birkeland said. "The best way to do that is by giving them access to very low-interest financing. Saving hundreds of thousands of dollars in interest costs makes projects much more feasible."

Pfeifle says the community support was essential to initiate the project and applauds REED for helping bring opportunities back to small towns.

"It sends a message of support and cooperation and that they understand how important it is to keep services in rural areas for people who live here," Pfeifle said.

The nursing home project was the first in West Central Electric's territory to use the REED fund, but Birkeland hopes many more projects are to come.

"We are a cooperative, so job number one is to take care of our members and do everything we can to help our communities," Birkeland continued. "If somebody comes to you or you see a need in our communities, we're all in."



KNIGHTS OF COLUMBUS ICE FISHING DERBY



Laura London

Drill a hole, drop a line, set the hook, reel that baby in; then run, skate, slide or hustle however you can to the big shack holding the tournament headquarters to get that fish weighed! The Knights of Columbus Family Fishing Derby and Raffle is a catch-and-release event, so anglers and derby officials try to get fish back in the water as soon as possible after recording their weight. Starting out, size doesn't matter, getting on the board is what counts for participants. As the day

goes on, size comes into play, but timing is also a key component to this fun-filled day out on the ice. Excitement continues to build throughout the day as kids, parents, and other participants monitor their spot on the leader board that can be streamed live on their cell phones. While the main focus is togetherness and doing something positive for the community, there is the added component of the thrill of competition. Prizes are awarded for the top weights, and all species of fish are accepted. The most important thing is to get on the board, no matter if it's a little perch or a big ol' northern, there has even been a sucker fish or two reeled in. In the past, a Northern Pike weighing 6.355 lbs. took top prize of a bait cooler while 140th place took home a \$150 gift card for a yellow perch that weighed 0.115 lbs.! A person could be at the top of the leader board, then someone comes in with a whopper, knocking the scale and rhythm of the board off balance. The prize pool is vast, ranging from cash, fishing rods, ice augers, and a plethora of levels in between. Some years, prizes have gone out to over 175 participants. "We want big fish to win and little fish to win; it is all about the family having

fun!" says Tim Gaikowski, one of the event organizers.

Tim Gaikowski, Manager of Technology Services at Lake Region Electric, has been spear-heading this event for the last few years, "I took it over because it's fun! I wanted to keep this event going, so I sort of took over heading it up, but we have a committee of guys who split duties to make it all happen." A lot of planning and time goes into coordinating such an event. Gaikowski shares tales of when there was so much snow that organizers were out moving snow off of the ice and making paths so that people could get out



and fish. Lydel Snaza of Northside Implement donates time, money and most importantly, the use of his “gigantic” ice shack to be used as the headquarters and weigh in shack.

The support of local businesses is overwhelming and crucial to the success of this event as many local businesses sponsor the event by donating money and prizes. Dave’s Marine in Webster has historically donated a prize for the kids; this year, they donated a gift for the first 75 kids aged 13 and under to register. Many area businesses also help the Knights out by selling the raffle tickets, which double as your ticket into the fishing derby.

This year marks the 8th year that this fund raising event will be held on Enemy Swim Lake, Waubay. Gaikowski says this location works well to host the annual event because of the variety and abundance of fish. Selling between 500-700 tickets annually, this is the largest fund raiser for the local Knights of Columbus chapter who use the proceeds to help meet the needs of local people and organizations. As a 501c3 organization, all of the money donated and raised by the Knights of Columbus is given back. Gaikowski explains, “We give back locally; all of the money we raise stays in our communities.” The local Knights of Columbus (chapter 4903) focuses mainly on youth organizations, scholarships, supporting seminarians, and the Special Olympics. However, money raised may be used to help local organizations, individuals, and families who have experienced adversity causing financial difficulties and other areas of need. The Knights of Columbus is a Christian based organization with chapters world-wide whose goal is to support many similarly valued organizations and spread Christian values. There are about 80 members of the local Knights of Columbus chapter, around a dozen of whom organize and serve the fishing derby.

This year, the ice fishing raffle and tournament will be held February 22nd with registration from 9:00-10:00am, on the ice.



You don’t have to fish to participate in the raffle for ten fabulous prizes, in fact out of all the tickets sold, only about a third venture out on the ice. You don’t need to be present to win one of this year’s ten raffle prizes which include different cash amounts up to \$1,000 and several firearms, you will be contacted if your ticket is drawn. Gaikowski encourages everyone to come out though, “It’s a lot of fun for everyone, entire families get out there to fish and spend time together!”

Raffle/tournament tickets can be purchased from one of the Knights or are conveniently available at many area businesses. For more information, contact Tim Gaikowski (605) 881-5075 or check out their Facebook page: *Knights of Columbus Lady of the Lakes* – 4903.



Knights of Columbus

8th Annual Ice Fishing Derby and Raffle

Saturday, February 22, 2025



Enemy Swim Lake, Waubay, SD

\$25 Ticket = Tournament Entry and Raffle Drawing

- Raffle drawing to be held on the ice, do not need to be present to win.
- Fishing prizes are awarded to all species of fish by weight and time of weighing.
 - Kids prizes at registration.

Follow on Facebook for updates: @Knights of Columbus Lady of The Lakes - 4903

Contact Tim Gaikowski with questions: 605-881-5075



The Waxdahl's solar array and hog farm, east of Flandreau. *Submitted Photo*

DISTRIBUTED ENERGY

Understanding the Impact of DERs to the Electrical Grid

Frank Turner
frank.turner@sdrea.coop

Farming has always been a way of life for fourth-generation producers Matt Waxdahl and his brother, Ben. Growing up just outside of Flandreau, the brothers spent their childhood lending a hand on their grandfather's and father's farms.

Over time, Matt and Ben started their own operation. As the market evolved, so did the brothers. In 2009, they expanded into hog farming, building their first barn. Their success led to the addition of two more barns, the most recent constructed in 2022.

According to Matt, raising hogs comes with one major benefit: temperature-controlled barns.

"It's all under one roof, and it doesn't matter if it's 100 degrees outside or -20, it's always T-shirt weather," said Matt.

However, keeping their hogs on a permanent tropical vacation requires a significant amount of energy. During the summers, industrial fans and a stout ventilation system keep the barn cool, while powerful heaters maintain a comfortable environment in the biting South Dakota winters.

Two years ago, the brothers tackled this energy-intensive challenge by installing a 30-kW solar array. With guidance from Sioux Valley Energy, their local electric cooperative, they determined the project would financially benefit their operation due to availability of tax credits and grant funding.

"We saw that the majority of our power usage was always during the day," Matt explained. "We did some number crunching, and it penciled out."

Distributed Energy Resources

The Waxdahl brothers' decision to invest in a solar array reflects how farmers and ranchers across the state are utilizing Distributed Energy Resources (DERs) like solar panels and on-site wind turbines. While some producers use solar panels to power remote water pumps, others invest in larger systems like solar arrays to offset the energy demands of their farms.

According to Ben Pierson, energy services manager at East River Electric, DERs are not common across the state. However, Pierson noted there are situations where DERs make sense: in remote areas where connecting to the electrical grid is too costly, for businesses or individuals looking to leverage tax credits and grant funds, and

for individuals who want to produce their own energy as a personal or environmental choice.

“The most successful applications of DERs that I’ve seen have been for agricultural operations like hog and dairy farms, where the producer has been able to secure both grant funding and tax incentives,” said Pierson. “It makes sense economically because they are using most their energy during the day when solar is producing.”

Even in the best-case scenarios, DERs still face challenges. Without existing tax breaks and grant funds, the energy savings from Waxdahls’ solar array would not have justified the expense. “It wouldn’t be economically efficient at all without the tax credits and grant funding,” Matt said.

The array has also not been as efficient as the Waxdahls had hoped. While the panel installers projected a return on investment within seven to 10 years, the reality after two years of operation suggests it may take closer to 12 to 15 years for the panels to pay for themselves.

Despite the challenges, Matt considers his solar array a successful addition to his hog operation. “If I had another barn the same size, I would make the same decision to add a solar array,” he said.

The Electrical Grid

While DERs offer renewable energy options at the local level, South Dakota’s electrical grid already incorporates significant contributions from renewable energy sources at a wholesale price.

In fact, Basin Electric Power Cooperative, a generation and transmission cooperative serving South Dakota’s electric cooperatives, began purchasing energy from the Wild Springs Solar Project in 2024. Located near New Underwood, the 128-megawatt facility is the largest solar farm in the state. Basin Electric is set to purchase 114 megawatts of the project’s output, marking its first step into utility-scale solar generation.

The benefits of this project are already underway, said Pierson.

“Building a large-scale solar array is much more economically feasible than

a smaller-scale solar array,” said Pierson. “It lets us implement renewable energy into the portfolio in a cost-effective way.”

According to Pierson, power providers are continually working to implement renewable energy where it makes sense while providing reliable energy at an affordable price.

Connecting to the Grid

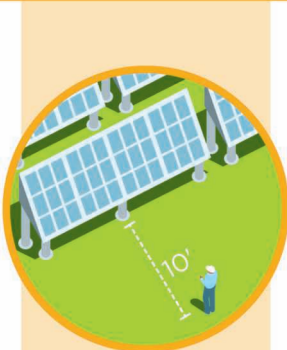
When considering the addition of DERs such as solar panels or an on-site wind turbine, Pierson encouraged members to contact their local electric cooperative to ensure the system is properly sized and safely connected.

When implementing a DER, there are often safety requirements in place to protect both the DER owner and the grid operators.

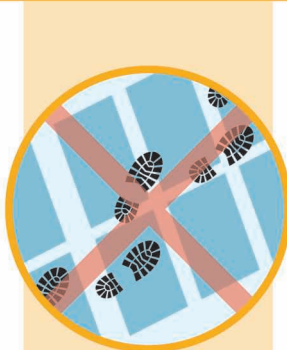
“Especially if you are talking to a third-party vendor, please reach out to your local utility to discuss the pros and cons – and realities – of implementing DERs,” said Pierson. “Utilities can offer unbiased information regarding the expected output and proper sizing of a DER.”

SAFETY NEAR SOLAR

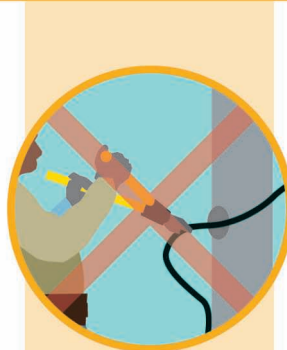
Like any other source of electricity, solar panels can pose potential hazards. Keep these safety tips in mind when you’re near solar panels.



Stay at least 10 feet away from the installation.



Never walk on solar panels.



Never cut any wiring to the solar panels.



Never touch broken or damaged solar panels.



Twin home built in 2022. These handicap accessible units have three bedrooms, two baths and double attached garages. Photo submitted by Dick Werner

COMMUNITY GROWTH

Building a Stronger Community Through Workforce Housing

Jocelyn Johnson
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Supply and demand for workforce housing in South Dakota remains an issue for many smaller communities. Wage and worker demand has outpaced what many rural communities offer in affordable housing supply. Attracting and retaining qualified workers is becoming more of a challenge due to the simple, albeit costly, prerequisite for a place to live.

The need to develop and provide workforce housing at reasonable rates is a trending topic that one community advocate in Herreid, S.D., quickly acted on – resulting in a population increase for the first time since the town’s 1960 census.

Dick Werner, member of Cam Wal Electric and Black Hills Electric, has long championed the development of rural towns as a business owner, economic development consultant,

former state legislator and former county commissioner. He saw a need in his hometown for workforce housing, which he attributed to the dwindling population.

“When we first started tracking our population, we found that the highest number in our population fell into the category of 65 and older,” Werner said, “Next was the workforce group. Our lowest was our youth, which directly correlated with our depleting school enrollment.”

In 2016, Werner and other community leaders found the Herreid Area Housing Development (HAHD), a nonprofit committed to improving the town’s housing stock and ensuring long-term growth. Using this, the group worked quickly – gaining funds to build a place where workforce families would want to live

“It’s been one of the most rewarding challenges you can deal with,” Werner

said. “If you don’t control the dirt, you don’t control the future.”

Werner attributes his community’s growth to working families moving and staying in Herreid as well as welcoming diversity into the community’s workforce.

“It’s not just building homes, but it’s knowing what you have in your community,” Werner said. “We not only needed places for families to live, but we also needed to welcome diversity and make our community family friendly.”

Public facilities were similarly given attention to promote community growth. Playgrounds, sports facilities and the city pool were updated through a combined effort of donations, loans and grants.

Since 2017, five speculative homes have attracted 25 new residents to Herreid. The HAHD also purchased a remodeled eightplex apartment, a fourplex built in 2009, and two new twin homes – all full with a waiting list.

“That’s where we worked with the South Dakota Housing Opportunity Fund,” Werner said. “It gave us half the money to build and it’s forgivable after 20 years.”

South Dakota Housing is a self-supporting, nonprofit entity that

provides financing solutions such as housing bonds, tax credits and other federal and state resources to fund housing programs. This funding provides housing construction and rehabilitation, rental assistance, educational opportunities and more. One program offered is the South Dakota Housing Opportunity Fund.

Amy Eldridge, Rental Housing Development Director for South Dakota Housing, highlighted the financial virtues of the program.

“Local economic development groups and any property developer may apply for the funding,” said Eldridge. “It’s about the attractive financing that the program offers at 0% interest. With today’s interest rates, it’s hard to develop a property if you have to pay 7% interest while trying to construct it.”

Working with \$3 million annually, the South Dakota Housing Opportunity Fund has a competitive application process. New construction as well as building acquisition and rehabilitation qualify.

South Dakota Housing also offers infrastructure funding through the Housing Infrastructure Financing Program. John Curry and partner Chris Dunham of Elk Point Investments were recent recipients of these funds. They are currently developing land in Elk Point, S.D., where more than 150

homes have been built over the past 27 years.

“We’re the land developers, so we do the dirt work and civil engineering, and we sell to home builders,” said Curry. “The South Dakota Infrastructure Fund was something I had read about. . . We were in a good position to apply, and it provided 1/3 of the development costs if you met the criteria. With this funding, we are targeting to sell 56 lots beginning the spring of 2025.”

South Dakota Housing was allocated \$200 million by the state in 2023 to provide loans and grants for the development of housing infrastructure through the Housing Infrastructure Financing Program. Any for-profit or non-profit entity, tribal government, housing authority, political subdivision or agency of South Dakota is eligible to apply for funding.

“There is a shortage for housing,” said Curry. “I think you’re going to see a nice boom in workforce housing throughout the state because of this funding.”

(Right) Elk Point development. *Photo submitted by John Curry*

(Below) The pool project included a new bath house, new step-in pool with water features and existing main pool enhancements. The total project cost was \$1,132,000, with HAHD raising \$800,000 through grants and fund raising activities.

Photo submitted by Dick Werner



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Your E-mail Address: _____



To have your event listed on this page, send complete information, including date, event, place and contact to your local electric cooperative. Include your name, address and daytime telephone number. Information must be submitted at least eight weeks prior to your event. Please call ahead to confirm date, time and location of event.

FEB. 1
James River Gobblers Wild Turkey Banquet
5 p.m.
Highland Conference Center
Mitchell, SD
605-999-3208

FEB. 2
Hot Dish Competition Lake County Museum Fundraiser
11 a.m.- 1 p.m.
St. Thomas School Gym
Madison, SD
605-256-5308

FEB. 8
ALL Ability Skate Day
Disability Awareness & Accessibility Committee
1-3 p.m.
Main Street Square
Rapid City, SD
605-390-4434

FEB. 14-17
11th Annual Frost Fest
9 a.m.-3 p.m.
Brookings, SD
605-692-7444

FEB. 15
Sioux Empire On Tap
Sioux Falls Convention Center
Tickets available online
www.siouxempireontap.com

FEB. 22
Knights of Columbus Ice Fishing Derby
Waubay Lake
Registration 9-10 a.m.
605-881-5075

FEB. 22
Bellator Titans Charter Casino Night Fundraiser
6-11 p.m.
316 2nd St.
Aberdeen, SD

FEB. 28-MARCH 1
Mardi Gras Weekend
8 p.m. Fri.-10 p.m. Sat.
Main Street
Deadwood, SD
605-578-1876

MARCH 8-9
Philip Area Annual Gun Show
Sat. 9 a.m.-5 p.m.
Sun. 9 a.m.-3 p.m.
American Legion Hall
Philip, SD
605-859-2135

MARCH 14-15
Badlands Quilter Weekend Getaway
Fri. 5 p.m.
Sat. 8 a.m.
Community Center
Wall, SD
605-685-5718

MARCH 22
Annual Banquet & Bash
Britton Area Chamber of Commerce
5:30 p.m.
605-448-8130

APRIL 4-5
Annual Schmeckfest
German Heritage Celebration
748 S Main St
Freeman, SD
605-925-4237

APRIL 11-12
Junkin' Market Days Spring Market
Fri. 4-7 p.m.
Sat. 9 a.m.-4 p.m.
\$5 Admission
W.H. Lyon Fairgrounds
Sioux Falls, SD
www.junkinmarketdays.com

Note: Please make sure to call ahead to verify the event is still being held.