

COOPERATIVE CONNECTIONS



Forecasting the Future

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The Future of Reliable Electricity

As our country's economy continues to grow, so too does the demand for reliable electricity. Data centers, new manufacturing facilities and our daily lives are requiring more and more electricity. In fact, U.S. power consumption is expected to rise to record highs this year and next, and the demand for electricity in the U.S. is expected to at least double by 2050.

Meanwhile, our supply of electricity is already decreasing as always-available power plants are being prematurely shut down. The North American Electric Reliability Corporation has warned that 19 states could see rolling blackouts during times of high electrical usage over the next five years. We all know what happens when supply can't meet demand—prices go up, and the lights go off.

As we are preparing for this rising demand, B-Y Electric is planning ahead to ensure local families and businesses have access to an affordable, reliable supply of electricity.

B-Y Electric was built by the members it serves, providing essential services that drive growth and pave the way for an energy future that prioritizes reliable electricity at a cost local families and businesses can afford.

Meeting the challenge

To meet these challenges, B-Y Electric's wholesale power suppliers, East River Electric and Basin Electric, are utilizing a balanced mix of always-available energy sources as a safeguard to maintain a reliable energy supply. We're also investing in innovative technologies to bolster grid resilience and enhance data management to improve operational efficiency, expedite outage response times and minimize service disruptions.

As electricity demand in the U.S. continues to rise, upgrading and building new

infrastructure will be critical. That's why B-Y Electric is collaborating with other electric co-ops by pooling resources and expertise on projects that advance technology, security, infrastructure and innovative energy sources to meet the increasing needs of our communities.

As a co-op, this collaborative approach is a core strength of B-Y Electric and enables us to deliver affordable energy to local families and businesses. Our priority is ensuring energy solutions that are tailored to the unique needs of our members to help it thrive now and in the future.

B-Y Electric was built by the members it serves, providing essential services that drive growth and pave the way for an energy future that prioritizes reliable electricity at a cost local families and businesses can afford.



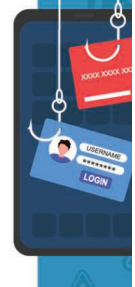
Stephanie Horst
horst@byelectric.com

TIPS TO AVOID ENERGY SCAMS



Never make a utility bill payment to anyone calling you on the phone, coming to your door (unless that is a verified bill payment method used by your utility company), texting you or emailing you. Always call your utility company at the number provided on your bill or on the utility's website if you have a question about payment or billing information. Know your utility bill payment options—online, by phone, automatic bank draft, mail or in person.

Source: Utilities United Against Scams



COOPERATIVE CONNECTIONS

BON HOMME YANKTON ELECTRIC

(USPS No. 018-973)

Bon Homme Yankton Electric Association, Inc
 PO Box 158
 134 S. Lidice St.
 Tabor, SD 57063

Office Hours:
Monday through Friday
7:30am - 4:00pm

UPDATED
Pay by Phone, call:
1-855-941-3507

To report an outage, call:
Local call from Tabor, Tyndall, and Yankton:
605-463-2507

NOTICE: Electric bills must be paid by 10:00am on the 20th of each month to avoid a \$10 late fee.

Board President: Dean Sternhagen

Board of Directors

- Dave Sykora - Vice President
- Dave Sternhagen - Secretary
- Robert Ruppelt - Treasurer
- Paul Voigt
- Brian Brandt
- Rick Cheloha

General Manager: Stephanie Horst

Operations Manager: Ken Carda

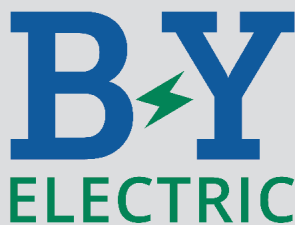
Office Manager: Nicole Einrem

Members Service Advisor: Aaron Melichar

Editor: Chantelle Jungemann

Bon Homme Yankton Electric Cooperative Connections is the monthly publication for the members of Bon Homme Yankton Electric Association, Inc, PO Box 158, 134 S. Lidice St., Tabor, SD 57063-0158. Families subscribe to Cooperative Connections as part of their electric cooperative membership. The purpose of Bon Homme Yankton Electric Cooperative Connections is to provide reliable, helpful information to electric cooperative members on electric cooperative matters and better rural living. Subscription information: Cooperative members devote 50 cents from their monthly electric payments for a subscription. Non-member subscriptions are available for \$12 annually. Periodicals postage paid at Tabor, SD 57063.

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A Touchstone Energy® Cooperative

NOVEMBER BOARD MEETING

The November board meeting was held on November 20, 2024 at 8:00 am. Directors present were Dave Sternhagen, Dave Sykora, Dean Sternhagen, Rick Cheloha, Brian Brandt, Robert Ruppelt and Paul Voigt. Others present were the attorney, management staff and guest employee.

THE BOARD APPROVED THE CONSENT AGENDA:

- October 2024 Board Meeting Minutes
- Capital Credits to Estates - None
- Review New Members & Cancellations
- Closed Work Order Inventory - #915 for \$10,062.56
- Review Special Equipment Purchases - \$16,461.06

THE BOARD REVIEWED AND ACCEPTED FOLLOWING REPORTS:

- Member Service Report
- Operations & Safety Report
- Office & Financial Reports
 - Unclaimed Capital Credits as Donated Capital \$58,120.60
 - 2024 Capital Credits Refund \$438,510.47
 - Approved 2025 Operating Budget
- General Manager Report
- East River Cyber Security/IT Report
- SDREA Board Report
- East River Report
- East River Orientation Report - Brian

OTHER GOVERNANCE

- Acknowledge SDREA Annual Meeting Notice
- Designate SDREA voting delegate/alternate (Sykora/Cheloha)
- Designate 2025 CRC voting delegate (Horst)
- Enter/Exit Executive Session
- Next Meeting date set for Wednesday, December 18, 2024, at 8:00 am.



Happy New Year!

FINANCIAL REPORT	OCTOBER		YTD
	2023	2024	2024
TOTAL ELECTRIC REVENUE	\$851,695	\$836,334	\$9,695,953
COST OF POWER	\$487,002	\$432,431	\$5,620,001
TOTAL COST OF SERVICE	\$872,935	\$875,463	\$9,691,522
KWHS PURCHASED	6,935,636	6,640,314	82,961,779
RESIDENTIAL AVERAGE KWH	1,223	1,085	
RESIDENTIAL AVERAGE BILL	\$159	\$152	

Welcome New Members		
Tabor	Lesterville	Joe Varliek
Jacob Woodckman	Skyler Bloch	Jose Carlos Herandez
Steve Jorgenson	Yankton	Larry A Benson
Springfield	Abigail Tally	Nicholas Walters
Full Pull Fitness LLC	Gilberto Hernandez	Nick Fejfar
	Hideaway RV Resort	Reydel Plasencia
	Jacob Horn	Rodney Huber
		South Bow (USA) LP

Snow Safety

There is no end to the terms for “really big snowstorm,” and those terms come in handy, particularly in America’s snowiest cities. Just check out these average annual snowfall totals in towns of at least 10,000 residents, according to the Farmer’s Almanac:

Sault Ste. Marie, Michigan – 119.3 inches
Syracuse, New York – 114.3 inches
Juneau, Alaska – 93.6 inches
Flagstaff, Arizona – 87.6 inches
Duluth, Minnesota – 83.5 inches
Erie, Pennsylvania – 80.9 inches
Burlington, Vermont – 80.2 inches
Muskegon, Michigan – 79.3 inches
Casper, Wyoming – 77 inches
Portland, Maine – 70 inches

But with really big snow storms – and even everyday, run-of-the-mill snowfalls – comes a risk of death by shoveling. Nationwide, snow shoveling is responsible for thousands of injuries and as many as 100 deaths each year.

So, why so many deaths? Shoveling snow is just another household chore, right?

Not really, says the American Heart Association. While most people won’t have a problem, shoveling snow can put some people at risk of heart attack. Sudden exertion, like moving hundreds of pounds of snow after being sedentary for several months, can put a big strain on the heart. Pushing a heavy snow blower also can cause injury.

And, there’s the cold factor. Cold weather can increase heart rate and blood pressure. It can make blood clot more easily and constrict arteries, which decreases blood supply. This is true even in healthy people. Individuals over the age of 40 or who are relatively inactive should be particularly careful.

National Safety Council recommends the following tips to shovel safely:

- Do not shovel after eating or while smoking.
- Take it slow and stretch out before you begin.
- Shovel only fresh, powdery snow; it’s lighter.
- Push the snow rather than lifting it.
- If you do lift it, use a small shovel or only partially fill the shovel.

- Lift with your legs, not your back.
- Do not work to the point of exhaustion.
- Know the signs of a heart attack, stop immediately and call 911 if you’re experiencing any of them; every minute counts.

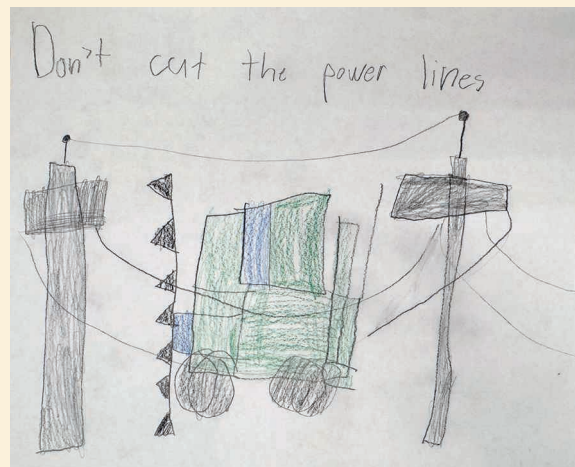
Don’t pick up that shovel without a doctor’s permission if you have a history of heart disease. A clear driveway is not worth your life.

Snow Blower Safety

In addition to possible heart strain from pushing a heavy snow blower, stay safe with these tips:

- If the blower jams, turn it off.
- Keep your hands away from the moving parts.
- Be aware of the carbon monoxide risk of running a snow blower in an enclosed space.
- Add fuel outdoors, before starting, and never add fuel when it is running.
- Never leave it unattended when it is running.

Source: National Safety Council



“Don’t Cut the Power Lines!”

David Raak, Age 7 ½

David Raak cautions readers to be careful when working around power lines. Thank you for your picture, David! David’s parents are Nathaniel and Katie Raak, members of Central 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.

Crockpot GREATNESS

CROCKPOT CORN

Ingredients:

3 16-oz. packages frozen corn
8 oz. cream cheese
1/2 cup (1 stick) butter
2 tbsps. sugar
2 tbsps. water

Method

Place corn in crockpot. Cut cream cheese and butter into small cubes. Add cream cheese, butter, sugar and water to corn. Stir. Cook on high for 45 minutes. Stir. Turn to low and cook for three more hours, stirring occasionally.

Elaine Rieck
Harrisburg, S.D.

CROCKPOT BAKED BEANS

Ingredients:

2 cans black beans
2 cans red beans (drained)
2 cans great northern
1 can baked beans with brown sugar
1 lb. diced ham
1 heaping tsp. mustard (regular)
2 full tbsps. ketchup
Garlic powder (optional)
1 small onion (chopped)

Method

Mix all ingredients in crockpot except ham. Cook 2 hours on high. Mix in ham and cook another hour on high. Enjoy!

Rose Tucker
Hot Springs, S.D.

CHICKEN FIESTA SLOW COOKER RECIPE

Ingredients:

2 lbs. boneless skinless chicken breasts
1 package slow cooker fiesta chicken seasoning mix
2 cans (14 1/2 oz. each) diced tomatoes, undrained
1 can (15 3/4 oz.) whole kernel corn, drained
1 can (15 oz.) black beans, drained and rinsed

Method

Place chicken in slow cooker. Mix seasoning, tomatoes, corn and beans until blended. Pour over chicken. Cover. Cook eight hours on LOW or four hours on HIGH. Remove chicken from slow cooker. Shred chicken, using two forks. Return chicken to slow cooker; mix well. Serve over cooked rice with assorted toppings, 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 2024. All entries must include your name, mailing address, phone number and cooperative name.

Uncover Savings With a DIY Energy Audit



Miranda Boutelle
Efficiency Services
Group

Q: How do I perform an energy audit on my home?

A: A home energy audit may sound daunting, but it can be as easy as creating a checklist of improvements based on what you see around your home.

Here's what you'll need to find opportunities to save energy and money: a flashlight, dust mask, tape measure and cooking thermometer. I recommend taking notes on your phone or a notepad.

First, check the heating and cooling equipment. Determine the age and efficiency of the equipment by looking up the model number on the nameplate. The average lifespan of HVAC equipment is 10 to 30 years, depending on the type of equipment and how well it's maintained. If your equipment is older, it may be time to budget for an upgrade. Check the filter and replace it if needed.

Then, check the envelope of your home, which separates the heated or cooled areas from the exterior, for drafts and air leakage. Feel around windows and trim for any drafts. Pay special attention to spots where different building materials come together. Check under sinks for gaps around pipes. Seal with weatherstripping, caulk or expanding foam as needed.

Make sure to replace incandescent or compact fluorescent bulbs with LEDs. LEDs use significantly less energy and last longer than traditional incandescent bulbs.

Check for leaking faucets and make sure aerators and showerheads are high-efficiency models in good condition. The gallons-per-minute (GPM) ratings should be etched onto them. To reduce wasted energy from using more hot water than needed, aerators should be 0.5 to 1.5 GPM, and showerheads should be no more than 2 GPM.

Next, look in the attic, while wearing a dust mask, to make sure it's insulated. You may be able to see

enough from the access area using a cellphone with the flash on to take pictures. Use the tape measure to check the depth of the insulation. It should be a minimum of 12 inches deep. This can vary depending on the type of insulation used and your geography.

Insulation can become compacted over time. It should be evenly distributed throughout the attic. Loose fill or blown-in insulation should be fluffy and evenly dispersed. Rolled batt insulation should fit tightly together without gaps.

Also, exterior walls should be insulated. If your home is older than the 1960s, the walls are probably not insulated. Homes from the 1960s or 1970s likely need more insulation. Sometimes you can see wall insulation by removing an outlet cover or switch plate and using a flashlight to look for insulation inside the wall cavity. Turn off the power at the electrical panel to avoid the risk of electric shock. Wall insulation can be blown in from the inside or the outside of the home. This is a job for a professional.

If you have a basement or crawlspace, head there next. Unfinished basements should have insulation on the rim joists, at minimum. This is the area between the top of the foundation and the underside of the home's first-story floor. Use closed-cell spray foam or a combination of rigid foam and spray foam to insulate rim joists. Crawlspace should have insulation on the underside of the floor between the floor joists. Insulation should be properly supported in contact with the floor with no air gaps. Water pipes and ductwork should also be insulated.

Lastly, check the temperature of your water by running it for three minutes at the faucet closest to your water heater. Then fill a cup and measure with a cooking thermometer. Hot water should be between 120 and 140 degrees. You can reduce the temperature on your water heater to reduce energy waste and prevent scalding.

Once your home energy audit is finished, review your findings and start prioritizing home energy efficiency projects. For step-by-step instructions, visit www.energy.gov/save.



A historic photo shows a man standing in front of an auger used to dig holes for utility poles.
Photo submitted by Moreau-Grand Electric



Janet Gesinger
Photo by Frank Turner

When the Lights Turned On: Janet Gesinger Remembers the Days Before Power

Frank Turner

frank.turner@sdrea.coop

Memory is a fickle thing. It's funny how a certain smell or simple photo can evoke vivid memories of an age long past. After all, how can a memory be lost when we can't even remember losing it?

At the age of 89, Janet Gesinger doesn't remember the exact moment when Cam Wal Electric, her local rural electric cooperative, introduced electricity to her childhood farm and ranch 13 miles west of Gettysburg, but she does remember the days without it.

"It's amazing that I can remember some things from my childhood so vividly, but I couldn't tell you what I had for lunch last week," Gesinger laughed.

Gesinger remembers growing up on the farm during a time when the glow of kerosene lamps helped her family navigate the dark and a cistern well kept their food cool.

"I don't know how we could see with the little lamps, but we did," she said. "People were careful because they knew

what the risks were, carrying around those lamps."

At the age of 9, Gesinger and her three older siblings lost their mother. The profound loss meant that Gesinger had to step up to help her siblings and father keep the farm and ranch going.

"I ended up helping my dad outside more than I did anything inside the house," she said. "We lived in such a remote place. There weren't even gravel roads back then. If I ever wanted to leave the farm, I had to help my brother milk cows and do chores so he would take me into town."

In high school, Gesinger's horizons broadened past the farm, and she began working as a waitress at the Medicine Rock Café where she met her late husband, Robert Gesinger. A year later the couple married and moved to Robert's family farm and ranch just a few miles north of Ridgeview in 1954. The Ridgeview community gained power just one year earlier in 1953, and Janet continues to live there now as a member of Moreau-Grand Electric.

When Janet moved to Ridgeview it was a bustling, small town with a grain elevator, a grocery store with a post office in it, a liquor store, a school, and electricity. Today, nearly all those amenities are a distant memory, but the rural electricity that continues to power the homes of the roughly 25 residents of Ridgeview, including Janet, remains.

"Ridgeview had gotten electricity just before we got married," she said.

Once she lived in a home with electricity, Janet found it hard to imagine life without it. One winter storm in 2010 wreaked havoc on the rural landscape and broke more than 200 utility poles, leaving Robert and Janet without power for 21 days.

"By day three of the outage, we ended up getting a PTO driven generator that could hook up to the tractor," Janet said. "Robert was sure glad when the power came back on, because that way we didn't have to fuel the tractor twice a day to run it – and the cost of diesel to run it."

Reflecting on her experiences, Janet acknowledges the transformative impact of electricity on rural life and finds it hard to imagine a world without electricity.

"It's an amazing convenience that we rely on," Janet said. "People today couldn't live without it because what in the world would ever replace it? We have a lot of technology in this world, but there is nothing that can replace electricity."

PLANNING AHEAD



An aerial view of the Pioneer Generation Station Phase IV near Williston, N.D. Photo submitted by Basin Electric Power Cooperative.

FORECASTING THE FUTURE

Basin Electric's Vision for Reliable Energy

Frank Turner

frank.turner@sdrea.coop

Keeping the lights on in a dynamic world isn't as simple as flipping a switch. It requires a forward-thinking approach, almost like gazing into a crystal ball, to anticipate future energy demand. Energy infrastructure projects begin long before the first shovel breaks ground, and it's a challenge that Basin Electric Power Cooperative confronts every day to ensure consistent and

reliable power amid an ever-changing landscape of new technologies and growing membership.

A new plant or transmission line can take years of planning and coordination by Basin Electric and its member cooperatives. The process is similar to predicting the weather; it all begins with a forecast to determine what energy demand is brewing on the horizon.

Basin Electric works with the members and other stakeholders to

develop highly accurate load forecasts. Those load forecasts are then compared against our existing resource portfolio. If any gaps are identified, resource alternatives are identified and reviewed against each other to arrive at the best resource portfolio outcome.

"Once a need for a new generation project or transmission project has been identified, Basin Electric assembles a project team," explained Matt Ehrman, vice president of engineering and construction at Basin Electric.

"Developing and defining project scope is vital to project success as it's really the foundation for the project," Ehrman continued. "Good upfront planning minimizes project execution

risks later, so Basin places a lot of emphasis on the development work that happens before any detailed engineering design can begin.”

Basin Electric is currently undertaking one of its largest single-site electric generation projects in the last 40 years near Williston, North Dakota, known as Pioneer Generation Station Phase IV. Once completed, this project will add 580 megawatts of natural gas generation capacity to Basin Electric’s energy portfolio. Although the project broke ground in March 2023, planning for the project began in 2021, standing as a testament to the cooperative’s long-term mindset and commitment to meeting its load forecast.

So what goes into the planning of such a major project? Ehrman says everything from identifying project objectives to permitting and contracting strategies to engineering studies all take place within the years leading up to new infrastructure.

“In the case of a generation project, the project site, fuel, water, and transmission sources are identified during the project development phase,” Ehrman said. “After the development phase is complete, the more detailed engineering design work can begin. This is when the engineers really begin to dig into the details of how to arrange and interconnect all of the many different types of equipment



The first gas turbine delivery for Pioneer Generation Station Phase IV. Photo submitted by Basin Electric Power Cooperative.

required for a given project. Eventually, those design details are used to develop construction specifications, contractors are selected and construction begins.”

Beyond the demanding complexity of the project itself, Basin Electric’s project team must also navigate regulatory matters and policy. While many projects share similarities, no two are identical when navigating federal, state, and local permitting requirements.

“Large generation and transmission projects can take years to permit, and the permitting duration depends on the project,” Ehrman said. “Basin’s

teams have successfully permitted and executed many projects over the years and as a result have learned a lot about those processes in our service territory.”

Slated to be operational in 2025, Pioneer Generation Station Phase IV will come on board during a time when electricity demand is increasing significantly. The completion of the project will expand Basin Electric’s resource portfolio, which uses a vast diversity of generation resources to serve its member cooperatives. Even still, Ehrman said it still takes a massive effort to stay prepared for what the future may bring.

“Planning and building energy infrastructure is a massive team effort that involves teams from Basin and its membership,” he said. “These are complex projects, and there are challenges involved in all phases of the projects. Basin has extremely talented, dedicated and hard-working teams developing these projects that really enjoy working out all the technical and non-technical details while mitigating risks to achieve success and deliver the best possible outcome for the membership.”



Early construction of the Pioneer Generation Station Phase IV. Photo submitted by Basin Electric Power Cooperative.

MERRY AND BRIGHT AT THE CO-OP



Left: Bon Homme Yankton Electric is excited to participate in the Mead Museum Hall of Trees where over 50 decorated trees are on display. With a nutcracker themed foyer and historic trains and doll exhibits for the whole family to enjoy! Go check them out and make sure to cast your vote for B-Y Electric's tree.



Bon Homme Yankton Electric participated in the Tabor Parade of Lights Saturday, December 7th. Community members and businesses rolled down main street Tabor bringing the light of Christmas Spirit.

Great Opportunities! Apply for 2025 Scholarships

B-Y Electric is now taking applications for one \$1,000 and two \$500 academic scholarships for the 2025-2026 school year.

The \$1,000 Basin Electric Power Cooperative Scholarship is in its 34th consecutive year and is funded by Basin Electric Power Cooperative of Bismarck, ND.

B-Y Electric is offering the two additional \$500 scholarships. These scholarships are designed to recognize and encourage the academic and community achievements of the students in our area.

Applicants must be a dependent of an active electric member and must be students enrolled or planning to enroll in a full-time undergraduate or graduate course of study at an accredited, two-year or four-year college, university or vocational-technical school.

Scholarship recipients will be chosen on a combination of SAT/ACT scores, overall grade point average, work experience, participation in school and community activities, a personal statement of career goals, a written recommendation letter, and an essay relating to cooperative business.

For more information and for a scholarship application form, contact Bon Homme Yankton Electric, your school's guidance counselor, or visit our website: www.byelectric.coop/scholarships. Applications must be returned to Bon Homme Yankton Electric, PO Box 158, Tabor, SD 57063 by 4:00pm on Friday, February 14, 2025. Winners will be announced in March 2025.



The Impact of Demand

Scott Flood

When rural electric cooperatives first strung power lines from farm to farm, across arroyos, and through remote forests less than a century ago, most members had but a handful of light bulbs to power. With time, they added appliances like refrigerators, but we're sure they couldn't begin to imagine the number and variety of electrical devices in today's homes and garages.

Across the U.S., people use a growing amount of electricity at work, at home, and with the growth of electric vehicles (EVs), even on the road.

The demand for electricity increased by 2.5% in 2024 and is expected to grow by 3.2% this year. That was after co-ops saw a 4.8% increase in 2022. Through 2029, the nation's peak demand is projected to grow by 38 gigawatts. That would be like adding another California-sized state to our nation's power grid.

The rapid growth of artificial intelligence (AI) is driving the development of massive data center facilities, often placed in electric co-op service territories to take advantage of inexpensive land and fewer neighbors to complain. By 2022, these facilities accounted for 2.5% of the nation's consumption of electricity – and by 2030, they'll use 7.5% of all electric power.

Data centers and facilities like warehouses require a large, steady supply of electricity 24 hours a day. That means the electric co-ops supplying them can't rely on intermittent sources of electricity such as solar or wind energy to handle the additional load. Instead, they need more of what's known as baseload or always-available power, much of which is currently generated by burning fossil fuels. The more we depend on technology, the more we'll need reliable baseload generation.

Yet that's a problem, because at the same time Americans are using more electricity, power providers are being forced to shut down reliable sources of baseload power such as coal and nuclear power plants. Many large coal plants have been converted to use cleaner-burning natural gas, but others have been deemed too costly to convert and are prematurely being shut down. More than 110 gigawatts of always-available generation – enough to power about 35 million homes – is forecast to retire by 2033.

The U.S. Energy Information Administration's forecast expects coal-fired generation to drop to half of today's levels by 2030. Renewable energy will capture a growing share of the supply, but as noted, much renewable energy is not reliable enough to provide baseload power.

As electricity powers a growing share of life's tools and conveniences, overall demand is expected to continue its steady growth through 2050. A great example is the efficiency of electric

heat pumps. Federal and other subsidies and tax advantages are powering significant growth in their share of the home heating market.

In other words, at the same time everyone is using more electricity than ever, the supply of the most reliable source is drying up. Add in the uncertainty created by public policy debates around energy and climate change, and you can begin to understand why 19 states face a high risk of rolling blackouts between now and 2028.

The energy industry studies demand closely because construction of all types of generation is costly and lengthy – often longer than a decade from groundbreaking to entering service.

As renewables become more efficient and cheaper to produce, their share of the power mix will only continue to grow. Someday soon, battery technology may reach the point where large-scale storage of renewable generation becomes possible, but until then, we'll need more of those always-available power sources.

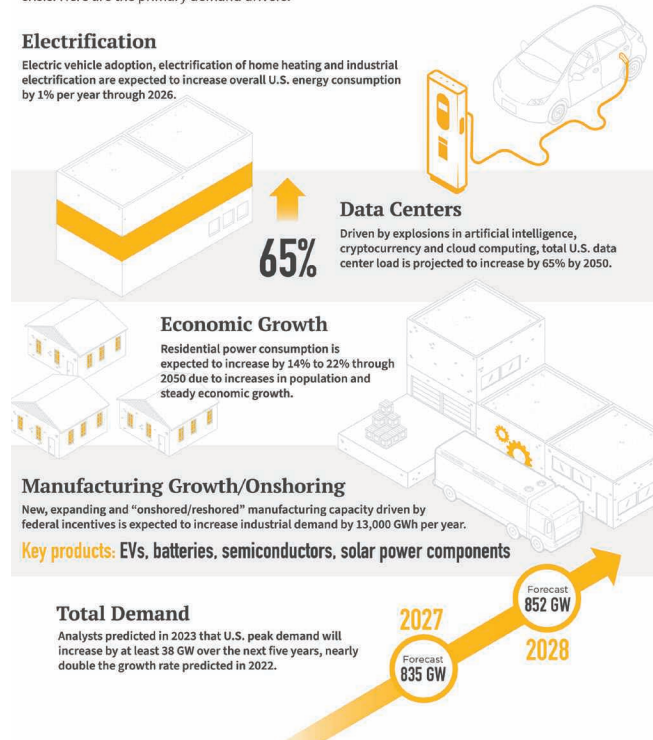
One more factor plays a key role in the ability of co-ops and the rest of the nation's power industry to keep up with demand. That's the supply chain, in which too few U.S. suppliers simply can't keep up with the nation's needs for power equipment. When a co-op orders new transformers, it may have to wait two years or more for delivery and pay a significantly higher price.

Soaring Demand

After decades of flat or declining electricity demand, the United States is in the midst of a boom in power use. Recent government data shows that power consumption nationwide is set to increase by at least 38 gigawatts between now and 2028. This trend would ordinarily be great news for the power industry. But government policies aimed at shutting down fossil-fuel-based generation and years-long delays in permitting and siting for new transmission lines are turning this power boon into a capacity crisis. Here are the primary demand drivers:

Electrification

Electric vehicle adoption, electrification of home heating and industrial electrification are expected to increase overall U.S. energy consumption by 1% per year through 2026.





LOOKING AHEAD

An aerial view of the Wild Springs Solar Project near New Underwood, S.D. Photo submitted by East River Electric

Wind Energy Association Changes Name, Advocates For All Renewables

Jacob Boyko
jacob.boyko@sdrea.coop

The South Dakota Wind Energy Association is getting a fresh coat of paint this year with a rebrand that will expand the association’s advocacy mission to include more forms of renewable energy.

As solar energy generation in the state increases with new and upcoming projects, expanding the association — now called the South Dakota Renewable Energy Association — to include other forms of renewable energy and battery storage was the clear way forward according to association president and Sioux Valley Energy Director Gary Fish.

“The association started out as being very wind oriented, and that’s our legacy,” Fish explained. “But we also have somewhat migrated to having an energy portfolio where wind coexists

with coal, natural gas and solar, and that was the driver behind changing our name.”

The change comes in the wake of South Dakota’s first large-scale solar farm near New Underwood, which began commercial operation in March 2024. Basin Electric Power Cooperative will purchase 114 megawatts of the 128-megawatt renewable project.

The association began with the

leadership of East River Electric Power Cooperative in the mid-2000s as the generation and transmission co-op looked for ways to develop wind generation in the state to serve its growing member utilities and bring economic development and job opportunities to the state.

“Wind energy was at that time starting to become a more viable utility-scale source of power generation,” said Chris Studer, chief member and public relations officer at East River Electric.

A look on the ground as crews prepare the Wild Springs Solar Project for power generation. Photo submitted by East River Electric



“East River led an effort to build an association of stakeholders in South Dakota that can help advocate for the wind industry.”

It’s a mission that’s propelled South Dakota to being the state with the third highest renewable energy makeup, with more than 54% of in-state power generated from renewable wind and solar resources.

“We’ve gone from essentially zero wind energy to more than 3,000 megawatts of installed capacity in the state,” Studer said. “We have far surpassed what our original goal was.”

In the South Dakota Wind Energy Association’s initial stages, the board was composed mostly of utilities and developers focused on studying potential economic benefits and the infrastructure needs that come with increasing generation.

“I think everyone knew we had a great wind resource, but the real issue was having additional transmission to get the power out,” Fish said. “Could we build

the towers? Yes. Could we get the power to market? That was the challenge.”

As the association successfully made the case for wind energy, the membership grew to include other G&Ts and investor-owned utilities, landowner groups, turbine manufacturers, servicing companies and others from the wind energy supply chain.

One of the first large-scale renewable energy wins for the South Dakota Wind Energy Association and rural electric cooperatives was the 2011 commissioning of the 172-megawatt Crow Lake Project north of White Lake, South Dakota. The association membership helped support the launch of South Dakota Wind Partners to bring local residents an opportunity to invest in and own several turbines in the project.

According to East River Electric, the program generated about \$16 million worth of local investment.

“It was a very unique and successful

project that the South Dakota Wind Energy Association had involvement in and advocated for,” Studer said. “The people that invested got tax equity benefits over time, and after about 10 years they sold it back to Basin Electric and got their investments back.”

Moving forward, the association will continue to advocate for a renewable energy-friendly business environment to propel South Dakota energy projects forward.

“South Dakota Renewable Energy Association is here to make sure our state’s tax policies are fair, that developers still want to come here and develop renewable energy projects, and that there’s a market for all of the supply chain that’s needed for wind energy and now for solar, as well as the necessary transmission,” Studer continued.

A new South Dakota Renewable Energy Association website and promotional material will debut within the next several months.



The Crow Lake Wind Project near White Lake, S.D., is the largest wind project owned solely by a cooperative in the United States. The \$363 million wind project went into operation in 2011.

Photo submitted by East River Electric

2024 SE SOUTH DAKOTA LEGISLATIVE FORUM: YANKTON SD

Bon Homme Yankton Electric hosted this year's Legislative Forum in Yankton, SD on Monday, November 25, 2024. The Rural Electric Cooperatives in Southeastern SD hold this annual legislative forum to share with our district representatives on the electric industry, upcoming legislative issues concerning electric cooperatives and also provides the opportunity and time to discuss some of these issues.



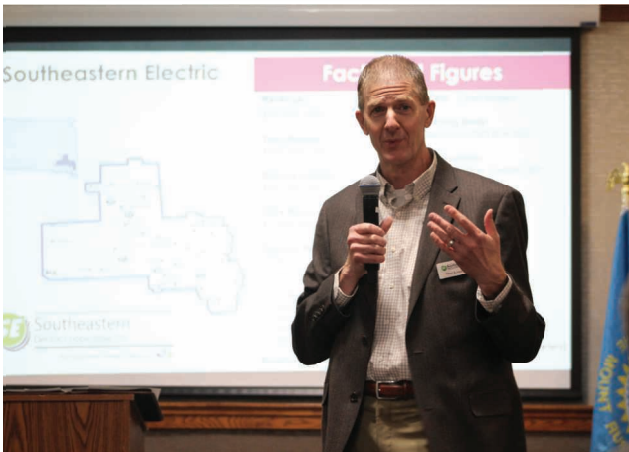
Bon Homme Yankton Electric directors and staff, along with directors and staff at Clay-Union Electric, Union County Electric, Southeastern Electric and East River Electric, met with legislators, in Yankton to discuss issues that may arise during the 2025 Legislative Session.



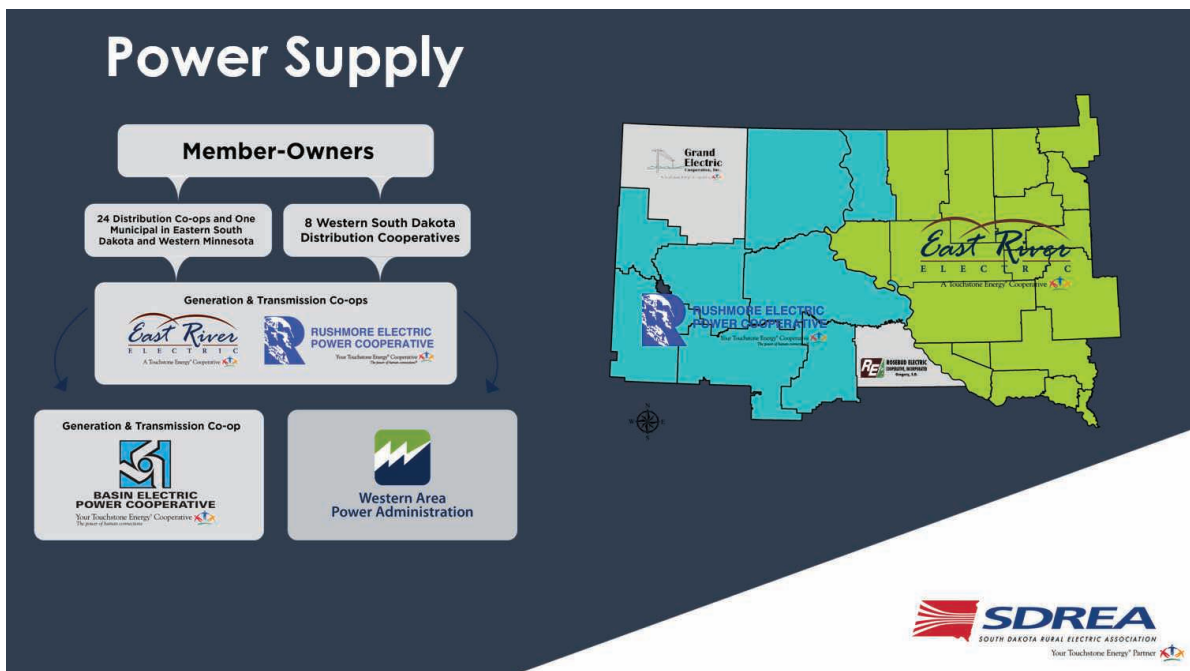
Chris Studer, Chief Member & Public Relations at East River Power Cooperative, giving an industry update.



Senator Kyle Schoenfish of District 19 addressing the Electric Cooperatives with some of the issues he is pressed with in relationship to electric providers.



General Managers from Bon Homme Yankton Electric (Stephanie Horst), Union County Electric (Matt Klein), Southeastern Electric (Chad Kinsley) and Clay-Union Electric (Chris Larson) address year to date numbers and specifics going on in their cooperative.



REGISTER TO WIN!

Bring this coupon and mailing label to the Touchstone Energy® Cooperatives booth at Black Hills Stock Show & Rodeo to win a Blackstone electric grill!

Your Phone Number: _____

Your E-mail Address: _____



JAN. 11
Snow Queen Coronation
7 p.m.
Aberdeen Civic Theater
Aberdeen, SD
SDSnowQueen.com

Photo courtesy of South Dakota Snow Queen Festival

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.

UNTIL DEC. 26
Christmas at the Capitol
8 a.m.-10 p.m.
Pierre, SD
605-773-3178

UNTIL DEC. 29
Trees & Trains Exhibit at SD State Railroad Museum
Hill City, SD
605-665-3636

UNTIL DEC. 31
Olde Tyme Christmas at participating businesses, Lane of Lights Viewing
Hill City, SD

UNTIL DEC. 31
Garden Glow at McCrory Gardens
5-9 p.m.
Brookings, SD

UNTIL DEC. 31
Hall of Trees
12-4 p.m. Mon.-Sat.
The Mead Museum
Yankton, SD

DEC. 31
American Legion Post 15 Save the Last Dance 2024
8 p.m.-12:30 a.m.
El Riad Shrine
Sioux Falls, SD
605-336-3470

DEC. 31-JAN. 1
New Year's Eve in Deadwood
Deadwood, SD
800-999-1876

JAN. 5, FEB. 2
American Legion Post 15 Pancake Breakfast
8:30 a.m.-12 p.m.
1600 W. Russel St.
Sioux Falls, SD
605-336-3470

JAN. 7-9
Dakota Farm Show
Tue. & Wed. 9 a.m.-5 p.m.
Thurs. 9 a.m.-3 p.m.
USD DakotaDome
Vermillion, SD

JAN. 11.
Coats for Kids Bowling Tournament
Meadowood Lanes
Rapid City, SD
605-393-2081

JAN. 15
46th Ranchers Workshop
9 a.m.-3 p.m.
Community Events Center
White River, SD
605-259-3252 ext. 3

JAN. 18
Breakin' the Winter Blues Chili Cookoff
Main Street
Hill City, SD

JAN. 26
Souper Supper Fundraiser Rapid Valley United Methodist Church
5:30-7:30 p.m.
Tickets \$6
5103 Longview Dr.
Rapid City, SD

JAN. 31-FEB. 8
Black Hills Stock Show & Rodeo
Central States Fairground
Rapid City, SD
605-355-3861

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

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

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