

COOPERATIVE CONNECTIONS



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The Cost of Grid Resiliency



Dave Page
General Manager

Resiliency of the grid is one of the most popular concepts being talked about in the electric industry today. This concept recently made headlines in the wake of the threat of rolling blackouts from increasing demand for electricity, declining baseload generation and lagging transmission infrastructure. Here in South Dakota, what does grid resiliency mean for you?

Resiliency is many things – it's reliability in your electric service, it's our ability to efficiently restore your power, it's being able to meet the demands of new technology and it's how we serve you with various generation sources without skipping a beat. Ultimately, resilience is how we deliver on our mission "to provide the highest level of service, quality, and value to our members and patrons in everything we do".

When it comes to having a resilient electric grid, it begins with a system that is designed and built to withstand high winds, powerful storms, cybersecurity threats and other disruptions that could result in outages. A resilient grid is also flexible and adaptable by allowing different types of generation – such as wind, solar, coal and hydro – to seamlessly work together to provide you with safe and reliable power.

Resiliency is a 24/7, 365-days-a-year task. Whether it's the power lines, substations or generation facilities on our grid, it takes proactive maintenance and investment to keep them running smoothly.

Grid resiliency is more important to our members now than ever before. It is the goal of Whetstone Valley Electric and our power suppliers to find a problem before it becomes one. For example, if we find a weak or damaged pole, we replace that pole. Doing so ensures that pole is as strong – or as resilient – as it can be.

The electric grid has been in place for about 80 years. The ability to continue serving our member-owners in the future with a resilient grid requires continued planning and financial investment. Similar to an automobile or farm machinery, the electric plant can be maintained for a limited amount of time before it needs to be replaced. The expense of plant maintenance and replacement becomes part of the cost of delivering electricity that is shared by our members.

This year, electric rates will be adjusted to meet higher demands for resiliency by our members and the rising cost of building new electric infrastructure. As I mentioned last month, since 2020, the cost of transformers, enclosures and poles has more than doubled and it can take one or even two years to receive many of the needed equipment items.

Whetstone Valley Electric and our power suppliers have confidence in the resiliency of our system and are committed to continually improving the power grid in order to recover from a severe weather related situation with as little disruption as possible. In addition, Basin Electric, our power generation cooperative, is investing in generation and transmission facilities to meet the growing demand of cooperative members in our region.

In the dictionary, resilience is defined as "the ability to bounce back, recover quickly and go back into shape or position after being stretched." When it comes to providing our member-owners with resilient service, this is what we work toward – day in and day out!

COOPERATIVE CONNECTIONS

WHETSTONE VALLEY ELECTRIC

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2024 WVEC Upcoming Director Elections

Whetstone Valley Electric Cooperative is making plans for its 82nd annual membership meeting. The 2024 annual meeting will be held on March 21, 2024, at 6 p.m., at the Wilmot High School.

This year, three members must be selected to serve on the board of directors, all for three-year terms. The districts with open seats are as follows:

District 3: Alto, Spring Grove, Ortley, Summit, Springdale, Garfield Townships

District 4: Geneseo, Lockwood Townships

District 6: Melrose, Big Stone Townships

Without a candidate for District 3, it will become vacant as of the date of the next annual meeting due to term limitations of no more than five consecutive terms or a total of fifteen consecutive years set forth in Article IV, Section 2 of the cooperative bylaws.

Director nominations are by petition only. Petition forms are available at our headquarters at 1101 East Fourth Avenue in Milbank. A candidate must be a bona fide resident of the district and return a petition with at least six (6) signatures from current members of the same district to the Whetstone office not less than 40 days prior to the annual meeting or Monday, February 12, 2024, at 12:00 noon.

The process for becoming a Director for Whetstone Valley Electric Cooperative, Inc. (WVEC) is contained in the Cooperative bylaws Article IV. Each candidate for a director position should carefully read the bylaws and understand the procedures. The bylaws can be found on our website, whetstone.coop or by contacting our office.

The Whetstone Valley Electric Cooperative board serves on behalf of the membership to provide oversight and strategic governance, while day-to-day operations are led by the cooperative general manager. The board is responsible for sending representatives to the associations of which the cooperative is a member. Directors are expected to attend education seminars and may be asked to serve on other associated cooperative boards. Directors may be asked to lobby and remain informed on pertinent legislative issues. Reading and studying is necessary to keep informed of current issues and how they may affect the co-op. It is the responsibility of the board to evaluate and develop long-term strategic plans to assure the financial and operational stability of the cooperative. Directors should expect to commit about 30 days per year for cooperative related activities.

In addition to the rewards of being a director, there are some important responsibilities. A director must:

- Be prepared to abide by and uphold the bylaws of the cooperative
- Be open to new ideas and have a desire to learn
- Be able to understand and engage members as their expectations change
- Be adept at analyzing complex options to make sound decisions

If you are interested in learning more about what it means to be director, please feel free to contact a board member or our General Manager at 605-432-5331.



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Cooking Safety

Watch What You Heat: Cooking is the Number One Cause of Home Fires

Plan A: Primary Prevention

- The best time to cook is when you are wide awake, and not drowsy from medications or alcohol.
- Always wipe clean the stove, oven, exhaust fan to prevent grease buildup.
- Wear short or close-fitting sleeves when cooking.
- Keep a pan lid and dry potholders or oven mitts near you EVERY time you cook.
- Turn pot or pan handles toward the back of the stove.
- When heating food in the microwave, use microwave- safe cookware that allows steam to escape.
- Allow food to rest before removing from the microwave.
- When frying, use a pan lid or splash guard to prevent grease splatter.
- Stay in the kitchen while you are frying, grilling, or broiling food. If you leave, turn off the stove.
- If you are simmering, baking, roasting, or boiling food, check it regularly. Remain in the home while food is cooking, and use a timer to remind you to check on your cooking.
- After cooking, check the kitchen to make sure all burners and other appliances are turned off.

Plan B: Secondary Prevention

If your food does catch on fire...

1. Cover the pan with its lid. A cookie sheet works too. Leave covered until the pan is cool. NEVER move the pot or carry it outside - the pot is too hot to handle and the contents may splash, causing a severe burn.
2. Turn the heat off. With the lid on and the heat off, the fire should quickly put itself out. NEVER use water to put out a kitchen fire. Water will cause the

oil to splatter and spread the fire, or scald you as it vaporizes.

3. If the fire is inside the oven or microwave, keep the door shut and turn it off. Keep closed until the oven is cool.
4. If the fire gets out of control- get out, stay out and call 9-1-1. Don't return inside for any reason.

STATS

- 47% of all home fires are caused by cooking
- Preventing a burn injury is always better than the pain and trauma of medical treatment afterward.

National Burn Awareness Week (Feb. 4-10, 2024) is a window of opportunity for organizations to mobilize burn, fire, and life safety educators to unite in sharing a common burn awareness and prevention message in our communities.

Source: American Burn Association



Call 811 Before You Dig

Lillee Pannell, Age 10

Lillee Pannell instructs readers to call 811 before digging. Lillee is the daughter of Scott and Kim Pannell from Sioux Falls, S.D., members of Southeastern Electric Cooperative.

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.



BRUNCH SPECIALS

FRENCH TOAST SUPREME

Ingredients:

1/2 cup butter
2 tbsps. white corn syrup
1 cup brown sugar
5 eggs
1 cup Carnation milk
1 tsp. vanilla
1/4 tsp. salt

Method

Boil together butter, corn syrup, and brown sugar for one minute. Grease a 9x13 pan and put the caramel mix in bottom. Slice French bread about one inch thick or use Texas toast. Put slices close together on top of the caramel sauce. Beat together eggs, milk, vanilla, and salt. Pour on top of bread. Cover and refrigerate overnight. Bake at 350 degrees for 45 minutes. When ready to serve, turn the pieces over and caramel will be on top. Best served warm.

Brigitta Hofer
Bridgewater, S.D.

MINI FRITTATAS

Ingredients:

8 eggs
1/4 cup milk
1 1/2 tps. Italian seasoning
1/4 tsp. salt
1/8 tsp. ground black pepper
1 cup crumbled cooked bacon
1 med. onion, finely chopped
1 med. zucchini, finely chopped
1 cup shredded Cheddar cheese, divided

Method

Preheat oven to 350°F. Beat eggs, milk, Italian seasoning, salt and pepper in medium bowl until well blended. Add bacon, onion, zucchini and 1/2 cup of the cheese; mix well. Spray one (12-cup) muffin tin generously with no stick cooking spray. Spoon about 1/4 cup egg mixture into each cup. Sprinkle with remaining 1/2 cup cheese. Bake 20 to 22 minutes or just until eggs are set. Run small knife or spatula around each cup to loosen mini frittatas. Let stand five minutes before serving.

McCormick.com

CINNAMON PANCAKES

Ingredients:

2 cups pancake mix
1 tsp. cinnamon
2 eggs, beaten
1 cup milk
2 tbsps. vegetable oil
1 tsp. pure vanilla extract

Method

Stir pancake mix and cinnamon in large bowl until well blended. Stir in eggs, milk, oil, and vanilla just until blended.

Pour 1/4 cup of batter per pancake onto preheated lightly greased griddle or skillet. Cook one to two minutes per side or until golden brown, turning when pancakes begin to bubble. Serve pancakes with Spiced Syrup, if desired.

Kitchen Tip: To make flavorful Spiced syrup, mix one cup pancake syrup, one teaspoon pure vanilla extract and 1/4 teaspoon cinnamon in a small microwave-safe bowl and microwave on HIGH for one minute or until warm, stirring once.

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 2023. All entries must include your name, mailing address, phone number and cooperative name.

Efficiency Tips for Manufactured Homes



Miranda Boutelle
Efficiency Services
Group

Q: I live in a manufactured home. How can I keep the inside temperature more comfortable and save on energy bills?

A: There are several tasks you can complete to improve comfort and use less energy in your manufactured home. I started my career in energy efficiency as a weatherization technician in Wisconsin. In this role, I helped people in manufactured homes by air sealing, duct sealing, adding insulation and installing new windows, showerheads, faucet aerators and lightbulbs.

More than 22 million Americans live in manufactured homes, according to the National Association of State Energy Officials. Manufactured homes represent 15% of housing in rural areas, and only 3% in urban areas.

Knowing how manufactured homes are built helps us understand where we can seal in savings around the house. These homes are constructed in factories and then transported and set up on-site. Construction in a factory reduces costs, making manufactured homes an affordable option. That lower price point can come, in part, from the use of less expensive equipment and fewer materials, such as lower-efficiency heating equipment or less insulation.

If you are considering buying a manufactured home, ENERGY STAR®-certified manufactured homes are 30% more energy efficient than standard models, with a variety of options that increase the home's energy efficiency.

If you already live in a manufactured home, you likely know that manufactured homes are constructed in sections. One section is a single wide home, two are combined to make a double wide home and three make a triple wide home.

In my experience, the biggest issues were in the duct systems, which deliver heating and cooling throughout the homes. The ductwork is typically located in the cavity between the floor and the

transport barrier, which protects the underside of the manufactured home while it is transported from the factory to the site. Typically, one long duct runs the length of each section of the home, with the registers or vents cut into it.

The first step is making sure all registers are accessible, open and not covered by furniture, rugs, dog beds or anything else.

Next, check your ductwork by removing the registers and looking inside. Anything inside the duct will restrict airflow, so check that it is free and clear. Use a mirror and flashlight to look into the duct or take a picture by sticking a camera or phone inside and snapping some shots with flash in each direction. I've pulled all kinds of things out of ducts over the years, from garbage to toys to shoes.

If you have a double wide or triple wide, you will likely have a crossover duct, which joins the ducts in each section. The crossover duct is typically a large flexible duct with an inner liner, insulation and an outer cover to protect the insulation. Damaged or disconnected crossover ducts allow the air you pay to heat escape under the home. Often, damage is done by animals chewing or scratching to get inside the warm area. An inspection of the crossover duct requires crawling under the home. That's a dirty job and often a tight spot, so you might choose to hire a professional.

Another place to check is the joint joining the sections of a double wide or triple wide together. This is often covered by trim when the home is placed. You can caulk around the trim or remove it and caulk underneath to reduce air leakage.

Weatherstripping doors and windows to make sure they seal tightly will also reduce drafts and save energy. Some homes can benefit from additional insulation in the attic or under the floor. Those projects typically require specialized equipment or help from a professional.

Weatherization assistance programs, like the ones offered by the company I worked for in Wisconsin, provide discounted and no-cost energy-saving upgrades. Check with your county or electric utility for more information.

Rural Writings

Exploring Rural Art with Eliza Blue

Frank Turner

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In the tight-knit quarters of rural communities, where relationships are tightly woven, local art forms such as music and prose often reflect the unique character of the small towns they come from. Eliza Blue is one such writer, folk musician, mother, and self-described “accidental rancher” from the outskirts of Bison, S.D., who regularly captures the essence of rural living in every facet of her creative work.

However, Blue’s journey to the Northern Plains was unexpected. Originally from the big city, she first visited South Dakota as a temporary stop during one of her music tours. What was meant to be a brief visit transformed into a life-altering decision. Her visit turned into a permanent settlement, and Bison became the location where she would go on to marry, start a family, and immerse herself in rural life.

“It’s been a journey,” said Blue. “I started writing about these new experiences in motherhood and ranch life because they were all new to me. People really appreciated my perspective in a way that I didn’t see coming.”

With her touring days put on pause, Blue turned to writing as her creative outlet. A prolific artist, Blue began writing a column, “Little Pastures on the Prairie” for the Bison Courier. Her slice-of-life column that explored the quirks of living in one of the most remote locations in the U.S. quickly found an audience far and wide and is now published by 18 news outlets across the Upper Midwest.

In many ways, Blue’s column takes an ordinary rural experience and portraying it in a new, thoughtful way.

“A lot of my writing is about my interactions with the natural world and the relationships I have with my animals and the climate,” said Blue. “For example, I write a lot about the wind and what a dynamic force that is. It does almost become like a person that you are in a relationship with.”

Inspired by the content from her column, Blue published a collection of essays, *Accidental Rancher: ‘Lambs in the Laundry Room and other stories from Perkins County,’* in 2020. She has since been featured in South Dakota Magazine, The Daily Yonder, and other noteworthy publications.

Although Blue found success in her writing, her connection to music has continued. In 2021, Blue began touring again, taking on a new role as the host of SDPB’s traveling concert series, “Wish You Were Here with Eliza Blue,” a series in its fourth season that celebrates rural artists across the state.

“The show has been a huge inspiration and part of my broader mission to highlight not only my own experiences in agriculture but also rural artists,” said Blue. “It’s really exciting to be a part of show that illuminates what the modern pastoral genre looks like. It’s celebrating not how things were but how things are, which is really the theme of the show.”

Whether it’s through a column or a public broadcast, Blue said she will continue to illuminate the unique aspects of rural life through her work, which can be found on her website: elizablue.net.

“I have a few big projects in the pipeline,” said Blue. “I’ve been working on a Folk Opera. Hopefully in 2024, I will be working with some amazing musicians to put something together, so people will have to keep an eye out for that.”



Eliza Blue, a musician, writer, and rancher, performs music with folk and blues roots for her rural community.



A group of Black Hills Snowmobile Club members enjoy a ride through the snow covered pines.

SOUTH DAKOTA'S SNOWMOBILE CLUBS

Snow Lovers Create Trails and Lifelong Friendships Through Club Membership

Shannon Marvel

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Being a member of one of South Dakota's many snowmobiling clubs is more like being a member of a big, adrenaline-loving family.

Being a part of a snowmobile club provides the opportunity to meet likeminded individuals that can easily turn into some of your best friends. That's the case for Mike Boock, of Rapid City, who is a longtime member of the Black Hills Snowmobile Club (BHSC).

"Most of the friendships that I have today are because of the snowmobile club. Many of us even camp together during the summer at the lake," Boock said.

Boock said the club boasts up to 70 members in all. While he primarily rides the mountains of Colorado and Wyoming, Boock loves riding in Black Hills when the area receives enough snow.

There are a total of 416 miles of groomed snowmobile trails

in the Black Hills National Forest, making it a pristine spot for snowmobiling.

The snowmobile clubs in the Black Hills have it a little easier than those out east as they don't have to mark, install, groom or repair trails.

"The state takes care of that," Boock said. "This allows clubs like the BHSC to become more of an educational and community support organization."

This allows club members more free time to volunteer or participate in community events, such as the Festival of Lights Parade and Storybook Island Christmas Nights of Light.

Kelly Weaver is the President of the South Dakota Snowmobile Association and a member of the Aberdeen Drift Busters Snowmobile Club.

The Aberdeen Drift Busters maintain what's called the Dakota Midland trail system, which connects Aberdeen, Mina Lake, Richmond Lake, Westport, Frederick and Columbia.

"This provides about 75 miles of riding in a safe, marked, and groomed corridor," Weaver said.

There are rules governing the trail system. While there are no posted speed limits on the trail, when the trail is located in a road right-of-way, the speed limit of the road applies.

There are also laws governing the type of vehicle that can be ridden on a snowmobile trail. Machines must meet the state definition of a snowmobile. ATV's and other motorized vehicles do not typically meet that definition.

Aberdeen Drift Busters has held the title of being the largest snowmobile club in the state for several years. It was established in 1969, the same year the South Dakota Snowmobile

Association was established.

“Currently, our membership is right around 100 families,” Weaver said. “The club has been as large as 225 members but membership has slowed over the past decade due to the lack of snow and the growing number of activities that families have an opportunity to participate in.”

Anyone can join a snowmobile club and snowmobile ownership is not a requirement.

“You are connected with very experienced snowmobilers who can provide information about machines, riding ventures and how organized snowmobiling operates,” Weaver said. “It is a way to connect with people who have a shared passion for the sport.”

Weaver had her first taste of snowmobiling as a young child with her father and neighbors.

“When I was young, I only rode as a passenger, which I found was not to my liking. When I met my future husband, he also had a snowmobile and I had to ride as a passenger once again,” Weaver said.

Weaver and her husband decided to join the Aberdeen Drift Busters while taking a break from riding for a bite to eat years ago.

“In 1986, my fiancé – now husband – and I were on a snowmobile ride and stopped to eat at a trailside business. Another snowmobiler, who we did not know, approached us and told us we needed to join the club. We did and have been actively involved ever since. That snowmobiling ‘stranger’ became a lifelong friend who we’ve shared many snowmobile memories with,” Weaver said. “Like most things we are drawn to, it is the ability to connect with others who share a common interest that keeps us involved. We have met so many people across the state and the nation through our involvement and have experienced some awesome and fun-filled trips over the years. There are so many ways to be involved that even members who are not avid riders can benefit from and enjoy

being part of the club.”

Once married, Weaver decided she’d need her own sled if she were to continue with snowmobiling. When her husband acquired a new Polaris, she was granted a used Arctic Cat Jag that she described as a “trusty starter sled.”

“Early on in our riding, we were able to make trips to the Black Hills, Big Horn Mountains and West Yellowstone. These venues are even more breathtaking in the winter,” Weaver said.

A long day on the trail in a large riding area might last six to eight hours. There needs to be a minimum of six inches of snow on the ground, depending on the terrain.

It may take several layers of snow to create a base for the trail, which can then be groomed and maintained throughout the season.

With adequate snow and a trail in place, an ideal riding day for Weaver would be sunny skies with a little wind, and temperatures between 0 and 30 degrees.

Over in the southeastern corner of

the state, Duane Duerr, President of the Siouxland Sno Trackers, finds great enjoyment in riding his Ski Doo 900 Ave Four Cycle snowmobile.

The Siouxland Sno Trackers is one of the original snowmobile clubs in South Dakota and has around 78 miles of groomed trails for its 80 members.

Duerr grew up in Minnesota and joined the club in 2006 when he moved to South Dakota. Joining the club helped him to learn the trails and rules, and provided him with many friendships.

“I think snowmobiling has become more popular, but involvement in all organizations is down,” Duerr said. “Many do not realize that snowmobile clubs are why we have a trail system and that they put it in and take it out. Without the clubs, we will no longer have trails in South Dakota. Member support is what makes a difference and too many take that involvement for granted.”

More information on the state’s snowmobile clubs can be found at the SDSA’s website at snowmobilesd.com.



Watertown’s South Dakota Snowmobile Club members take a break during an outing.

Attention High School Juniors and Seniors Win a Trip to Washington, D.C.

Whetstone Valley Electric Cooperative will once again sponsor high school juniors or seniors on an all-expense-paid trip to Washington, D.C. Each June, more than 1,800 high school juniors and seniors travel to Washington, D.C., to participate in the Rural Electric Youth Tour. During the week, they learn about Washington, D.C., government, cooperative philosophy, and rural electrification. The students are selected and sponsored by their local rural electric cooperatives. The South Dakota Rural Electric Association (SDREA) coordinates arrangements for the South Dakota students.

Some of the sites that toured are the Lincoln Memorial, National Cathedral, The White House, Air and Space Museum, Washington Monument, U.S. Capitol, Ford's Theatre, The Kennedy Center, the Metro, Arlington National Cemetery, Mount Vernon, Tomb of the Unknown Soldier, The Smithsonian, Iwo Jima Statue, National Archives, U.S. Supreme Court, and the Vietnam Veterans Memorial. Students will participate in a breakfast briefing with the South Dakota Congressional Delegation.

Who is Eligible? All area high school juniors or seniors whose parents are members of Whetstone Valley Electric Cooperative.

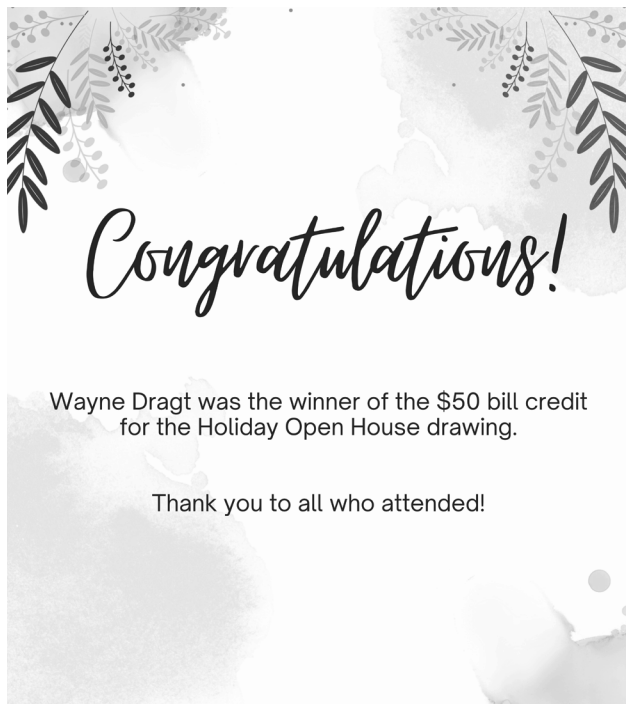
What Does It Cost? Whetstone Valley Electric Cooperative,

along with the other local electric cooperatives that participate in the weeklong event, funds the tour. The funding for the tour provides for each participant's transportation, room and board, entertainment, and sightseeing events. Students are required to provide their spending money (snacks and souvenirs).

When is it Held? The weeklong trip will be held on June 15-21, 2024. Participants will meet for an orientation meeting on Saturday, June 15 in Sioux Falls. Then, the group will fly to Washington, D.C. on Sunday, June 16, and return to South Dakota on Friday, June 21. A commercial bus will be used for transportation while in Washington, D.C.

How do I Qualify? Each Entrant must submit an essay, not to exceed 500 words, on the following topic: "If chosen as a youth tour delegate, you will be traveling to Washington, D.C. to experience and learn about America's rich history. What moment in American history do you wish you had been a part of, and what would you have contributed?" All essays must be typed and include a cover sheet that states the title of the essay, the entrant's name and address, name of parent or guardian, and the name of your school.

Information may be picked up from Whetstone Valley Electric Cooperative, 1101 East 4th Ave, Milbank, SD 57252.



Genevie Boarman is First Linewoman on Volunteer Electrification Project

When lineworker Genevie Boarman arrived in Guatemala in October with 15 other volunteers to help electrify a village with NRECA International, male employees from the local municipal utility did a double take.

"It was funny," she said. "One of them was pointing at me and asking, 'Does she climb?' He did not expect it. They saw me climbing poles later that day, and it was history after that."

The 28-year-old lineworker is accustomed to putting such questions to rest quickly by performing just like her male counterparts. Nearly four years ago, she became the first female lineworker at an electric cooperative in Virginia when she began working for Northern Neck Electric Cooperative in Warsaw. Boarman's trip to Guatemala has now made her the first woman from a co-op line crew ever to work on an NRECA International volunteer project.

Fortunately, she said, the male lineworkers from Virginia, Maryland and Delaware who volunteered for the trip didn't make a big deal of her gender.

"They never treated me differently at all," said Boarman, whose late father was also a lineworker. "They were awesome."

The lineworkers – who hailed from nine different co-ops – brought electricity to 103 homes and a school in the small rural village of Santa Isabel in northwestern Guatemala. NRECA International partnered with the Municipal Electric Utility of Ixcán to connect Santa Isabel to the local power grid.

The volunteers spent 19 days building and energizing 5.5 miles of power lines and installing six transformers, all without the benefit of bucket trucks or line trucks. They also put internal wiring in the wooden, thatched-roof huts that are home to about 500 people.

The biggest challenges, Boarman said, were working in the 100-degree-plus heat and driving over muddy roads with potholes so deep that their pickup trucks kept getting stuck. The lineworkers

drove about an hour each way from their hotel to the village and back.

"I didn't expect the roads to be as bad as they were," Boarman said. "The first day, we got trucks stuck left and right and had to pull each other out." She said villagers helped out by putting baskets of rocks on their backs and dumping them out to fill the holes and provide some traction.

Boarman said there was one little girl in the village who wanted to be her helper, and she showed her how to use a screwdriver. The lineworker said she hopes it helped open the girl's eyes to what she can do someday.



Genevie Boarman with a few helpers in the village.

"It was very humbling," said Boarman, who had never left the U.S. before and was struck by the lack of running water in the village. "When I got home, I thanked my mom for the life she gave me. She really spoiled me growing up."

Boarman said she was relieved that she and the other volunteers were able to stay and complete the electrification of the village despite widespread, peaceful political protests throughout Guatemala. At one point, they thought they might have to leave early because anti-government protesters could potentially block the roads to the airport.

"We were almost done with the project and that would have made me upset if we couldn't finish it," she said. "But we stayed."

Boarman said she can't wait to volunteer for NRECA International again.

"If they ask me to go tomorrow, I'd say yes in a heartbeat," she said. "I was really proud that I could help with something like this."

Brad Hicks, president and CEO of Northern Neck Electric Cooperative, said the co-op is celebrating Boarman's milestone.

"Her skills, determination and passion for service make her an inspiration not only to our cooperative members but also to women aspiring to pursue careers in the utility industry."



Gena Boarman teaching a local lineworker how to climb.



Jocelyn Cihak takes a dual-credit calculus class offered by Northern State University. Photo courtesy of Northern State University

DUAL-CREDIT

High Schoolers are Gaining College Credits

Scott Waltman

Some graduates of South Dakota high schools are showing up on college campuses with a semester's worth of credits.

Sometimes even more.

The dual-credit program has proven to be both beneficial and popular since it was introduced by Gov. Dennis Daugaard in 2014.

It's easy to understand why. Here's how the program works. High school juniors and seniors at any South Dakota high school can take classes for which they get both high school and college credits. There are scores of

classes to choose from, and the cost to take them is steeply discounted.

For instance, once a student enrolls at any of the state's six public schools or universities, they pay between \$253.85 and \$260.55 per credit hour. That cost for a high school student taking a college-level class through the dual-credit program? It's a mere \$48.33 per credit hour.

That's why education officials in South Dakota love the program.

Nathan Lukkes, executive director and chief executive officer for the South Dakota Board of Regents, said providing an affordable education has been a priority for the regents in

recent years. Tuition freezes and an increased number of scholarships are part of that work. But so are dual-credit classes, he said.

Most of the dual-credit courses are general education classes – or generals, as college students often call them – he said. Through the program, students can have some of those courses out of the way before they even get their high school degrees.

The work done by the regents and the universities resulted in Forbes naming South Dakota the most affordable state in which to get a high school education, Lukkes said.

All six South Dakota public universities offer dual-credit classes, and the number of high school students taking advantage has been going up in recent years.

The number of students taking dual-credit classes changes throughout

the year, but there were 1,223 taking classes at Northern State University in Aberdeen in fall 2023 compared to 1,141 the year before. And at South Dakota State University in Brookings, the number jumped from 903 to 1,031 in fall 2023, according to statistics from the board of regents.

Here's how the systemwide numbers are trending based on the number of students taking dual-credit classes, according to the 2023 South Dakota Board of Regents Fact Book, which was issued during summer at the end of the most recent fiscal year.

2021-2022: 4,300

2020-2021: 3,919

2019-2020: 3,781

2018-2019: 3,168

The 10 most popular classes all had more than 150 students.

College algebra: 990

Fundamentals of speech: 905

Composition I (English 101): 830

General psychology: 513

U.S. history I: 379

American government: 317

Music appreciation (Music 101): 280

Introduction to sociology: 241

Biology survey I (Biology 101): 157

Biology survey lab: 156

In 2021, there were 9,523 dual-credit courses taken by South Dakota high school students, according to information from the regents. That number includes summer courses and students who took more than one course.

At Northwestern High School in Mellette, Superintendent Rob Lewis said about 25% of the juniors and seniors are taking advantage of dual-credit courses. One student has taken a full semester's worth, he said.

Do the math over the course of a semester, and that's a savings of north of \$2,300. And that doesn't take on-campus housing and food into account.

That's just a great deal for high school kids, Lewis said.

Chris Ulrich, the middle school and high school principal at Northwestern, agrees.

"It's a nice opportunity for kids

to get not only college credits, but also experience what college is like," he said.

And they get to do it within the comfort of their high school, Ulrich said. The program is a great transitional step leading from high school to college, he said.

AP, or Advanced Placement classes, were great, but dual-credit classes are even better, Lewis said.

AP classes are college-level courses taught by high school teachers. But they don't always equate to college credit. Dual-credit courses are taught by college instructors and professors and always result in college credit, if a student passes.

In South Dakota, dual-credit courses can be taken on any of the six public university campuses, in Sioux Falls, Rapid City, Huron, Pierre, Watertown and online.

And there's another benefit, Lukkes said. Dual-credit classes create a tie between South Dakota high school students and the regental schools. Any chance a high school student has a chance to engage with a state school creates a bond that could help keep that kid in South Dakota, he said.

Perhaps a Spearfish High School student takes a dual-credit class at Black Hills State University and it's a good experience. Maybe that high school graduate stays in town and enrolls at BHSU.

Lewis, too, said the program is a great way to keep students in South Dakota for college and perhaps beyond.

That's also a focus for the Aberdeen Development Corp., which is starting a program aimed at keeping more Northern graduates in town to start their professional careers.



Rhianna Troske, a student at Northwestern High School in Mellette, takes a dual-credit class while at school. Photo by Scott Waltman



Basin Electric Security and Response Services dispatchers take calls from rural electric cooperative members at Basin's headquarters in Bismarck, N.D.

SRS Dispatchers Keep Watch Over South Dakota Linemen

Shannon Marvel

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No matter the time of day or night, nor outdoor conditions, members can be assured their calls will be taken during an outage thanks to the Security and Response Services (SRS), a 24-hour dispatching service provided by Basin Electric in Bismarck, N.D.

When a rural electric cooperative is closed, the SRS team takes incoming outage calls from members. "Safety is the reason we exist," said Chad Reisenauer, Director of Community and Member Relations for Basin Electric.

The SRS program started in 1992. Reisenauer has been in charge of the

dispatch team for just over a decade.

"We started with one or two cooperatives that were asking us to monitor alarms and dispatch linemen. Back then it was nothing but a phone and a computer screen where we typed notes. Now we're integrated into outage management systems, we're doing all sorts of things to predict outages and this technology has grown leaps and bounds," Reisenauer said.

The team is comprised of 22 dispatchers total, with 18 of those positions dedicated to dispatching full time, while the other four dedicate half their time to dispatching and the other half to alarm monitoring. Each dispatcher works 12 hour shifts with

four to six dispatchers working per shift, depending on what they're expecting for the day. These shifts begin at 4 p.m. and end at 4 a.m.

"Our job is to be the cooperative during the hours they are closed," said Jolene Johnson, dispatch supervisor.

"We'll back them a little bit if they have a safety meeting or a funeral where they're shutting the office down. We oversee 18 cooperatives in South Dakota. We're a little bit of feast and famine," Johnson said.

Overall, Basin SRS oversees 13 states, from Washington to Illinois to Texas. On any one day, dispatchers could be dealing with a blizzard in the Dakotas, freezing rain in Nebraska and a tornado in Texas.

On a light day, the SRS team will receive 600 to 700 calls for assistance. That number quells in comparison to the number of calls SRS dispatchers receive during major storm events, such as the winter storms events in April of 2021, when a couple of huge blizzards came through the Northern Great Plains region. During that storm, the

SRS team took in around 33,000 calls for service in a 24-hour period.

“That’s a stressful day for our dispatchers. They’re getting beat up continually, then they have to get onto the next call and maintain the safety of the linemen,” Reisenauer said.

“The other type of stress is if Bismarck is getting hit by a blizzard. Then there’s the stress of employees getting into work.”

A new dispatch center equipped with a sleeping room for dispatchers was recently built at the headquarters in Bismarck, which has no windows and a locking door so dispatchers can get as good of sleep as they’re going to get if the weather prevents them from traveling back home.

Dispatchers are also trained to remain calm under high stress situations, especially when the caller on the other end has lost power and is having a stressful day as a result.

“We reassure them that crews are working on it. We do call backs to make sure they’re not left in the dark, no pun intended. We just remain calm, we can’t

let them get us worked up,” said Seth Neer, lead dispatcher.

“No one ever calls us to tell us thanks for keeping the lights on,” joked Reisenauer. “It’s the worst day in the world for them if they’ve got water freezing and pipes bursting. They’re mad about the situation and we stress to our dispatchers that we’re just the voice on the phone and focal point of their anger.”

Neer added that it’s one of those jobs where you have to have the right mentality and the calls are something you cannot take personally.

Dispatchers must successfully pass a training program, which is self-directed.

From the time the dispatcher is hired to the time they are allowed to go live on the phones typically takes two months.

Reisenauer said he wouldn’t put anyone on the phone that he feels wouldn’t be able to handle an emergency.

“This is lineman safety. We literally have their lives in our hands,” he added.

Johnson said the SRS dispatchers are

also taken out into the field to visit local member cooperatives, such as Moreau-Grand Rural Electric, so they can go out and see what linemen are looking at.

“It’s hard for any dispatcher to get a call about a transformer if they don’t know what a transformer looks like,” she said.

Dispatchers track the locations of all linemen and check in with them every 90 minutes. If they miss a status check, dispatch will be sending someone their way. Their duty is to keep track of linemen at all times.

“We’re talking to them everyday. They do get to be family in some ways,” Reisenauer said.

“It’s funny when we bring operations and linemen in and they’ll go ‘I recognize that voice!’ And it turns out they’re good friends with the dispatcher but they’ve never met in person before,” Reisenauer said.

For more information on the SRS team, including quarterly newsletters on the department’s activities, go to Basin Electric’s website – www.basinelectric.com.





FEB. 24, 2024
Nemo 500 Outhouse
Races & Chili Cookoff
 10 a.m.
 Nemo Guest Ranch
 Nemo, SD

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. 3
Lake Hendricks Fishing Derby
 11 a.m.
 City Boat Landing
 Hendricks, MN

FEB. 9-10
Mardi Gras Weekend
 Historic Downtown Deadwood
 Deadwood, SD

FEB. 10
Polar Bear Chili Cook-Off
 11 a.m.
 Main Street
 Hill City, SD

FEB. 11
Beadle County Humane Society Bingo, Silent Auction & Bake Sale Benefit
 2 p.m.
 Huron Community Center
 Huron, SD

FEB. 18-20
MASC presents Disaster! the Musical
 Vesta Community Center
 Vesta, MN

FEB. 22
The Starlets: Pop Female Trio
Aberdeen Community Concert Association
 7 p.m.
 Johnson Fine Arts Center NSU
 Aberdeen, SD

FEB. 23-24
Women in Blue Jeans Conference
 Highland Conference Center
 Mitchell, SD

MARCH 1-3
National Pheasant Fest & Quail Classic
 Denny Sanford Premier Center
 Sioux Falls, SD

MARCH 2
Live on Stage
 High Country Guest Ranch
 Hill City, SD

MARCH 7
Elevate Rapid City Economic Summit
 8 a.m.
 The Monument
 Rapid City, SD

MARCH 9
French Toast/Pancake Feed & Health Fair
 8:30 a.m.
 Tea Community Building
 Tea, SD

MARCH 9
SunCatcher Therapeutic Riding Academy & 3rd Annual Shamrock Gala and Benefit Auction
 5 p.m.
 Alex Johnson Ballroom
 Rapid City, SD

MARCH 11-15
Black Hills Institute's 50th Anniversary Celebration
 Hill City, SD

MARCH 15
East Dakota Chapter NWFT 31st Annual Banquet
 Ramkota Exhibit Hall
 Sioux Falls, SD

MARCH 16
Live On Stage
 High Country Guest Ranch
 Hill City, SD

MARCH 16-17
Hill City Antiques, Railroad & Collectibles Show & Sale
 Hill City Center
 Hill City, SD

MARCH 17
St. Patrick's Day Green Pancakes and Sausage
 8:30 a.m.
 RVUMC
 Rapid City, SD

MARCH 20-23
Hill City Restaurant Week
 Hill City, SD

MARCH 23
Tyndall VFW Vegas Night
 7:30 p.m.
 Tyndall Community Center
 Tyndall, SD

MARCH 23
Hill City Children's Easter Egg Hunt
 Visitor Info Center
 Hill City, SD

MARCH 24
Ham Dinner & Silent Auction
 11:45 a.m.
 RVUMC
 Rapid City, SD

MARCH 24
Run for the Rangers
 Hill City, SD

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