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ELECTRIC COOPERATIVE LIVING

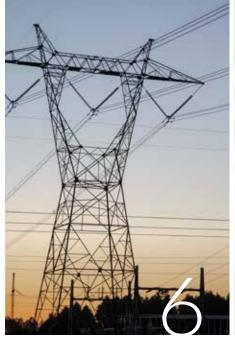
Meet this year's
Shine the Light winners

Keeping the lights on during peak demand

Fall apple recipes

Win an electric leaf mulcher ▶ See Page 3

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ON THE COVER

Special thanks to Terri Shetler, a Consumers Energy member-consumer, for supplying this month's cover image of an Eastern Bluebird. Submit high-resolution photos for consideration to editor@ieclmagazine.com. You could receive \$100!

DON'T FALL FOR AUTUMN HAZARDS: FOLLOW THESE TIPS FOR A SAFE SEASON

BY SCOTT MEINECKE



As the weather cools and the leaves begin to change colors, many lowans are busy with outdoor projects or getting students settled into college

housing. Whether you're climbing a ladder, working the fields or firing up a space heater, take a few minutes to review these important safety tips.

Ladder safety

Outdoor chores like cleaning gutters and trimming trees often require the use of ladders or tall tools. Stay safe by remembering to look up and be aware of power lines as you use ladders or large tools on your property.

Ensure the ladder is on level ground and that the base is stable. Always maintain three points of contact on the ladder - two hands and one foot or two feet and one hand. Carry tools in a tool belt or pouch to keep your hands free when climbing the ladder. If possible, have another person hold the base of your ladder when you are on it.

Harvest safety

In Iowa, we know autumn has arrived when we see combines in the fields. We remind farmers and field workers to maintain a 10-foot clearance around power lines and poles and to use a spotter when raising or lowering large equipment or high loads that could come into contact with power lines.

If you are in a vehicle or implement that makes contact with power lines, stay in the cab, contact the local power utility or law enforcement, and keep others away from you until an authority confirms that the power line has been de-energized.

If there is a fire in the cab and you need to exit, jump clear of the equipment without touching it and keep your feet together. Then, bunny hop away with both feet together or shuffle-walk away without lifting your feet off the ground.

Dorm safety

It's also the time of year when college students move into dorms, apartments and off-campus housing. If you have a student in college, take time to discuss electrical safety and fire safety. Locate fire alarms and fire extinguishers, and walk through the best way to evacuate the space in case of a fire.

Talk to your student about the dangers of overloading electrical outlets and how to use extension cords. For example, don't "daisy chain" extension cords to each other, and don't plug major appliances into extension cords. Unattended cookware is the leading cause of dorm fires, so remind your student to keep an eye on food while it's cooking.

Space heaters

Cooler autumn weather also ushers in the use of space heaters. Remember to plug your space heater directly into a wall outlet; it could overload a power strip or extension cord. Keep your space heater at least 3 feet from anything that might burn, including furniture, bedding or curtains.

Never leave pets or children unattended around space heaters, and shut them off when you go to sleep or leave the room. Only use space heaters that automatically shut off when tipped over.

Move over, slow down

Iowa motorists are required by law to move over or slow down when approaching ANY vehicle on the side of the road with flashing lights activated, including co-op utility trucks. Give our co-op employees room on the road to work safely; their families thank you!

Scott Meinecke is the director of safety and loss control at the Iowa Association of Electric Cooperatives.

WIN AN ELECTRIC LEAF MULCHER!

The new Worx leaf mulcher makes collecting leaves easier and quicker. Turn 11 bags of leaves and debris into one with the 13-amp electric leaf mulcher. This tool features a clean air motor cooling system, enabling it to run at peak efficiency and keep mulching up to 53 gallons of leaves per minute.



ENTER ONLINE BY SEPT. 30!

Visit our website and win!

Enter this month's contest by visiting www.ieclmagazine.com no later than Sept. 30. You must be a member of one of Iowa's electric cooperatives to win. There's no obligation associated with entering, we don't share entrant information with anyone and multiple entries from the same account will be disqualified.

The winner of the Solo Stove Runner tabletop fire pit from the July issue was Barbara Buseman, a Grundy County REC member-consumer.

FLAGBRAI: IOWA ELECTRIC CO-OP LINEMAN RUNS BIKE ROUTE AND INSTALLS FLAGPOLES FOR VETERANS

Just when you thought biking more than 50 miles on a summer day would be challenging, an Iowa electric co-op lineman took it to the next level.

Grundy County REC First Class Lineman Derek Snakenberg left his bike at home on Thursday, July 24, and ran the RAGBRAI route from Iowa Falls to Cedar Falls with a flag in tow, stopping along the way to install flagpoles for veterans as part of the Veteran Flagpole Initiative. His effort was part of the group's inaugural "Flagbrai" initiative to install flags for five veterans in Iowa.

The organization's mission is to install flagpoles in the yards of veterans at no cost; each veteran receives a 20-foot telescopic heavy-duty

flagpole, a hand-stitched U.S. flag, a State of Iowa flag and a solarpowered light. Before Derek's run, the group installed 102 flagpoles in 49 Iowa counties with a goal to install a flagpole in all 99 counties by 2028.

In just over 12 hours, Derek ran 51.9 miles alongside the cyclists and stopped several times to install flagpoles and raise awareness of his mission. He made stops in Ackley, Aplington, Parkersburg and New Hartford.

Learn more about the Veteran Flagpole Initiative at www.veteranflagpoles.org.







HIS JOB IS DANGEROUS ENOUGH. The last thing he needs is for you to drive into his utility truck because you ignored the flashing lights, cones and signs. When you see utility crews at work, slow down and move over. You have the power to protect a life.



PUBLIC SERVICE AND LEADERSHIP OPPORTUNITY FOR RURAL STUDENTS

Iowa's electric cooperatives are proud to continue their longstanding commitment to supporting the next generation of leaders. For decades, they've invested in high school students through scholarships, leadership programs and the electric cooperative Youth Tour to Washington, D.C.

That commitment continues this fall with the return of the lowa Youth Leadership Academy, a free, three-part webinar series designed for high school students in rural communities. Held throughout October, the virtual program will focus on advocacy, leadership and the cooperative business model - key themes reflecting the mission of electric cooperatives to empower communities.

The Iowa Youth Leadership Academy is open to all high school students who live in areas served by electric cooperatives. The following sessions will be hosted via Zoom and last approximately 45 to 60 minutes each:

- Thursday, Oct. 2, 7 p.m. The Cooperative Business Model
- Tuesday, Oct. 14, 7 p.m. Advocacy
- Thursday, Oct. 23, 7 p.m. Leadership



Students can attend from their own device or participate at their local co-op office, if available.

Each session will feature speakers who introduce students to cooperative career opportunities, teach effective advocacy skills and share tools to strengthen personal leadership abilities. Participants will also learn about the lowa Youth Tour, an all-expenses-paid, weeklong trip to Washington, D.C., scheduled for June 14-20, 2026.

Students who attend all three webinars will be entered into a drawing for a \$1,000 college scholarship. In addition, one participant will be randomly selected during each session to win a pair of Apple AirPods. All students who register by Sept. 30 will receive a surprise box of co-op-themed items in the mail.

The Iowa Youth Leadership Academy is a great opportunity for students interested in public service, government or leadership. It offers a meaningful way to connect with local cooperatives and explore future career paths in rural lowa.

To register or learn more, visit www.lowaYouthTour.com or contact your local electric cooperative.

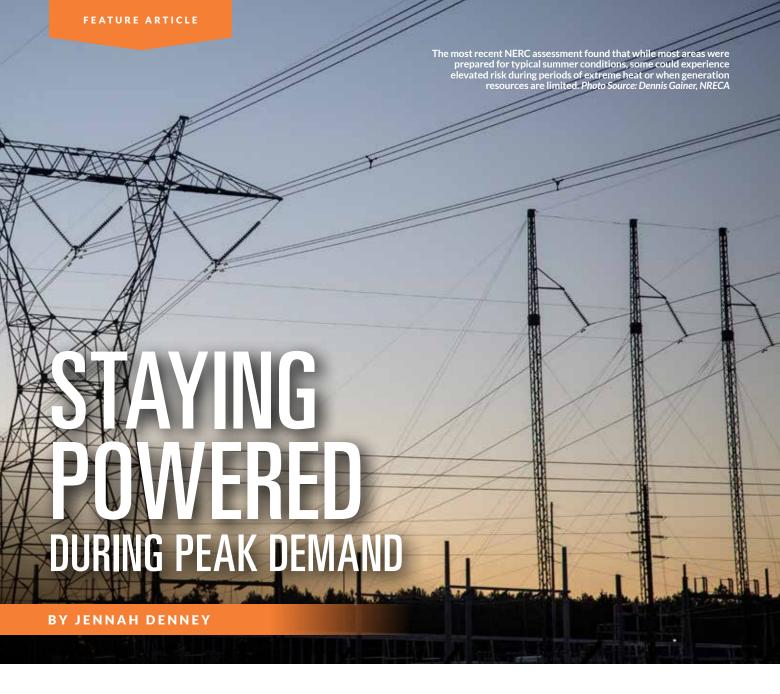
WE'RE LOOKING FOR HOLIDAY PHOTOS!

It's the end of summer, but we're already planning ahead and looking for a cover image for the December issue of lowa Electric Cooperative Living magazine. Submit your winter or holiday-themed rural lowa images, and if we select your photo for a cover, we'll award you \$100. The photos must be clear and in high resolution.

ENTER TO WIN!

To be considered, email photos to editor@ieclmagazine.com with "Cover Submission" in the subject line. Please also include the name of the electric cooperative that serves you.





Extreme temperatures, whether during summer or winter months, drive up the demand for electricity as homes and businesses rely on air conditioning or heating to stay safe and comfortable. Every year, the North American Electric Reliability Corporation (NERC), the nation's watchdog for grid reliability, issues two Reliability Assessment reports – one for summer months and one for winter. These biannual assessments provide independent views of how prepared the U.S. grid is to meet electricity demand when temperatures soar or dip.

The NERC assessments are critical planning tools for electric

utilities as they prepare for peak demand months. The reports provide a comprehensive evaluation of the North American Bulk Power System and highlight areas of concern regarding reliability.

What the recent reliability assessment told us

NERC's 2025 Summer Reliability
Assessment found that while most
areas were prepared for typical
summer conditions, some regions of
the U.S. could experience elevated
risk during periods of extreme heat or
when generation resources are limited
due to planned or unplanned power
outages. A few months ago, Entergy
and SWEPCO customers in Louisiana

experienced rolling power outages due to grid capacity constraints.

lowa's electric cooperatives want our members to understand how these surges in demand can impact you – and how you can play an important role in supporting reliable electric service for our local communities.

The electric grid is a vast network comprised of power plants, transmission lines and distribution systems that work together to deliver electricity to homes and businesses. Grid reliability means ensuring enough electricity is always available to meet demand – even on the hottest and coldest days of the year.

According to NERC's most recent assessment, our electric grid is experiencing rapid load growth.

Across North America, the total forecasted peak demand for summer months increased by more than 10 gigawatts (GW) since 2024 – more than double the increase seen in 2023. This growth is being driven by continued economic activity, expansion of data centers and industrial facilities, and increasing electrification across many sectors.

At the same time, more than 7.4 GW of generation capacity has retired or gone inactive since last summer. Retirements include natural gas, coal, nuclear and other types of generation, which reduces the availability of dispatchable resources that can operate at any time to help balance the grid. But new resources are becoming available to help meet some of this growing demand. Over 30 GW of new solar capacity and 13 GW of new battery storage are already contributing to increased demand requirements. These resources are especially helpful during peak daylight hours but can create new operational challenges in the evening, when solar generation tapers off and the demand for electricity remains high.

Why grid reliability is everyone's responsibility

While most regions are prepared to meet demand under normal conditions, the NERC assessment highlights that some areas – including parts of the Midwest, New England and Texas – face elevated risk of supply shortfalls during periods of above-normal demand or low resource availability. These risks may occur during extended periods of extreme temperatures or when generation outages coincide with high loads.

In regions like ours, grid operators and electric cooperatives rely on the collective actions of individual consumers to help maintain reliability when the system is under stress. This is where you can help. Stay informed and watch for communications from your electric co-op about peak demand periods or energy conservation requests. Quick

actions taken by co-op members can make a meaningful difference.

Small actions, big impact during peak demand

Adjusting your thermostat by a few degrees, postponing use of large appliances until evening hours, and turning off lights and unnecessary electronics are simple, effective ways you can help ease strain on the grid.

As the electric grid evolves – with changing generation resources, new technologies and growing demand – maintaining reliable service requires careful planning and participation from everyone.

NERC will likely release the 2025-2026 Winter Reliability Assessment in November, which will provide lowa's electric cooperatives with key insights into winter reliability.

Your electric co-op is working closely with our power supply providers in preparing for peak demand, and your actions to conserve during these times are equally important. By working together, we can help ensure our community continues to receive reliable and affordable electric service throughout periods of high demand.

Jennah Denney writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association.





MULBERRY APPLE STREUSEL PIE

- 4 cups tart baking apples
- 2 cups mulberries
- 34 cup sugar
- 3 tablespoons minute tapioca
- ½ teaspoon cinnamon
- 1/4 teaspoon nutmeg
- 1 9-inch deep-dish pie crust
- 1 cup Bisquick baking mix
- ½ cup nuts, chopped
- ⅓ cup brown sugar
- 3 tablespoons butter

Cook apples slightly in microwave until tender crisp. Mix apples, mulberries, sugar, tapioca, cinnamon and nutmeg. Add to pie crust. Mix baking mix, nuts, brown sugar and butter until crumbly. Sprinkle over pie. Bake at 350 degrees F for 55 minutes. *Serves 6-8*

Jo Groth ● Plainfield Butler County Rural Electric Cooperative

APPLE PIE ROLL-UPS

- ½ stick butter, melted
- 1 teaspoon cinnamon
- ½ cup sugar
- 10 flour tortillas
- 1 20-ounce can apple pie filling

Brush a 9x13-inch glass dish with melted butter. Mix cinnamon and sugar and put on a paper plate. Fill each tortilla with 2-3 spoonfuls of apple pie filling. Roll tightly and brush with melted butter, then roll in the cinnamon sugar mixture. Coat well. Place in prepared baking dish and bake at 350 degrees F for 15-18 minutes. Serves 10

Crystal Hammes

Libertyville
Access Energy Cooperative

APPLE TOSS SALAD

- 1 quart apples, cored and diced with peel
- ½ cup peanuts
- ½ cup celery, diced
- ½ cup carrots, chopped
- ½ cup raisins
- 1 8-ounce container lemon-flavored yogurt

Combine apples, peanuts, celery, carrots and raisins. Stir in yogurt until everything is well combined. Cover and refrigerate until ready to eat. This cool and refreshing treat is perfect for hot fall days. *Yields* 1½ quarts

Kimberly Peterson • Red Oak Southwest Iowa Rural Electric Cooperative

BAKED APPLES

apples, peeled and halved butter

- 1 cup sugar
- ¼ cup brown sugar
- ¼ cup flour
- 1¾ cups water cinnamon marshmallows, cut in half

Add enough apples to fill the bottom of a 9x13-inch pan when halved. Add a dab of butter in each half. Mix sugar, brown sugar, flour and water. Spoon sugar mixture into apple centers. Sprinkle with cinnamon. Bake at 350 degrees F for 45 minutes. Then, place half a marshmallow on each apple half and return to oven for a few minutes until marshmallows melt. Coat with juice and serve. Serves 12

Emily Rassi • Rock Rapids Lyon Rural Electric Cooperative

AUTUMN FRUIT SALAD

- ½ cup sugar
- ½ cup flour
- 1½ cups water
- 1 teaspoon margarine or butter
- 1 teaspoon almond flavoring
- 6 cups green and red apples, unpeeled, cubed
- 2 cups red seedless grapes, halved
- 1 cup pecans, chopped

In a saucepan, combine sugar and flour. Stir in water and boil until thickened. Remove from heat and add margarine or butter and almond flavoring. Cool to room temperature. In a large bowl, combine fruits and nuts. Add dressing and toss gently. Chill for a few hours. Serves 12

> Sandy Harmelink ● Orange City **North West Rural Electric Cooperative**

APPLE PUFF PANCAKE

- 4 tablespoons butter
- cups apples, diced
- 6 eggs
- 1½ cups milk
- 1 cup flour
- ½ teaspoon salt
- ½ teaspoon cinnamon
- 1 teaspoon vanilla
- 1 tablespoon ground flax seed, optional
- 2 tablespoons brown sugar maple syrup

Preheat oven to 425 degree F and melt butter in 9x13-inch pan. Add apples and bake until they sizzle. In a blender, mix eggs, milk, flour, salt, cinnamon and vanilla. Pour over apples and sprinkle with flax seed and brown sugar. Bake at 425 degrees F for 20 minutes. Serve with syrup.

> Lauren Zollinger
>
>
>
>
> Rock Rapids Lyon Rural Electric Cooperative

CARAMEL APPLE BROWNIES

- 1¼ cups oil
- 3 large eggs
- cups sugar
- 3½ teaspoons vanilla, divided
 - 3 cups flour
- 1 teaspoon baking soda
- teaspoon cinnamon 1
- Granny Smith apples, peeled and chopped
- cup walnuts, chopped, optional 1
- 3/4 cup butter
- 1½ cups brown sugar
 - 6 tablespoons milk
- 3-3½ cups powdered sugar

Mix oil, eggs, sugar and 2 teaspoons vanilla. Add flour, baking soda and cinnamon. Then add apples and nuts. Pour into a greased 10x15-inch baking pan. Bake at 350 degrees F for 45 minutes until a toothpick inserted comes out clean. Remove from oven and cool completely. Melt butter in a medium saucepan. Add brown sugar and cook 2 minutes. Add milk and bring to a boil. Cool to warm stage and add powdered sugar. Beat, then add 1½ teaspoons vanilla and mix well. Spread caramel frosting on cooled brownies.

> **Prairie Energy Cooperative**



FIRST PRIZE APPLESAUCE CAKE

- 1 cup oil
- 2 cups granulated sugar
- 3 cups unsweetened applesauce, heated
- 4 cups all-purpose flour, sifted
- 4 teaspoons soda
- 11/4 teaspoons salt, optional
- 1 tablespoon ground cinnamon
- 1/2 teaspoon nutmeg
- 1/4 teaspoon cloves
- 2 tablespoons cocoa
- 1/2 cup raisins and/or cranberries
- 1/2 cup nuts, chopped
- 1/2 cup butter, melted
- 1 cup dark brown sugar, firmly packed
- 1/4 cup milk
- 2 cups powdered sugar, sifted
- tablespoon vanilla

Stir together oil and sugar and add to hot applesauce. Sift together flour, soda, salt, cinnamon, nutmeg, cloves and cocoa. Then blend into the applesauce mixture. Stir in raisins and/or cranberries and nuts. Pour into two greased and floured 9x9x2-inch pans. Bake at 400 degrees F for 15 minutes, then lower the oven temperature to 375 degrees F and bake for 15 minutes more, or until done. Move cakes to racks to cool. Boil butter and brown sugar for 2 minutes. Remove from heat and stir in milk. Return to full boil, then remove and cool to lukewarm. Stir in powdered sugar and vanilla. Add more sugar if needed to make caramel frosting more spreadable. When cakes are cool, spread frosting on one layer. Top with second cake layer and frost top and sides. May garnish with more nuts. Tip: Wax parchment paper can be added to line sprayed/ greased pans before pouring in batter.

> Steve Fisher • Sigourney T.I.P. Rural Electric Cooperative

WANTED:

VEGETARIAN RECIPES

THE REWARD: \$25 FOR EVERY ONE WE PUBLISH!

Deadline is Sept. 30

Submit your favorite recipes for vegetarian meals. Please include your name, address, telephone number, co-op name, recipe category and number of servings on all submissions.

EMAIL: recipes@ieclmagazine.com

MAIL: Recipes

Iowa Electric Cooperative Living magazine 8525 Douglas Ave., Suite 48 Des Moines, IA 50322



Driven by their commitment to community, the Touchstone Energy® Cooperatives of Iowa held their fifth annual Shine the Light contest in June to celebrate local volunteers. **Employees and member-consumers** of Iowa's locally owned electric cooperatives were invited to nominate someone who makes a positive difference in their community.

The judging committee reviewed essays from 88 outstanding nominations, which were published in the August issue of this magazine, and selected three winners.

Congratulations to Chuck Bildstein, who is recognized for supporting families through Chelsey's Dream Foundation; Aimee Goeman **McKnight**, who is recognized for her generous community efforts through Build a Better Belmond; and Gerry **Holtrup**, who is recognized for his commitment to assisting veterans through Partners for Patriots.

These three winners have been awarded a \$3,000 donation to their charity. The following pages showcase and honor each of the Shine the Light contest winners' commitment to humbly serving their communities.

Learn more at www.lowaShineTheLight.com.

After more than 35 years in law enforcement, Gerry Holtrup could have stepped into retirement quietly. But a call from a past connection helped launch a mission that would touch the lives of hundreds of veterans across the country.

BY EMILY VANDER VELDE

Gerry first met Cindy Brodie while working in the sheriff's office, when he was looking to add a narcotics dog to the force. Cindy, then training law enforcement dogs in Tennessee, connected him with Jeb, a dog who would work closely with Gerry for nearly a decade and become a valued partner.

Years later, after moving to the Sioux City area, Cindy began training service dogs for disabled veterans. Inspired by helping some veterans receive their life-saving service dog, she founded Partners for Patriots. a nonprofit that raises, trains and places service dogs with disabled veterans - completely free of charge.

"These dogs truly are helping them," Cindy said. "They've saved lives and helped veterans function in society."



Answering the call again

When North West REC member Mollie Griffin heard about the Shine the Light contest, she immediately thought of Gerry. As a puppy raiser for the program, Mollie has witnessed his dedication firsthand.

"Gerry is the driving force behind the fundraising," she said. "He cares so deeply. He's one of the nicest guys I've ever met."

Just two months before retiring, Gerry got a call from Cindy. She was overwhelmed trying to do everything on her own and asked for help with fundraising. He stepped in without hesitation – and hasn't stopped since. His first fundraiser brought in \$5,000, when the group had just \$2,000 left in its bank account. Since 2017,

Gerry has helped raise more than \$400,000 to fund the placement of over 200 service dogs.

From coordinating annual dinners and golf tournaments to organizing fair booths and business events, Gerry keeps the mission front and center in the community. But while fundraising is vital, his most meaningful role has been as a traveling trainer.

Delivering healing, one dog at a time

Once a dog completes six months of training in Anthon, it's Gerry's job to deliver the dog to its new handler. Cindy trains him on the veteran's specific needs, then Gerry drives or sometimes flies - with the dog to their new home, staying several days to help build the bond between the veteran and the dog. He has personally delivered 35 dogs, from Iowa to California to Tennessee.

The dogs are trained to respond to veterans' post-traumatic stress disorder symptoms - recognizing triggers and calming them through touch and distraction. Gerry shared powerful stories of dogs pulling veterans out of night terrors or stepping in when a veteran was on the verge of suicide.

"These dogs really do save lives," he said.

Each veteran is given 500 custom baseball-style cards featuring their service dog's photo and name. It's something to hand out when people ask to pet the dog, which can't be allowed while the dog is working.

From his early years with Jeb to his coast-to-coast deliveries for veterans in need, Gerry has never stopped serving. Through compassion, determination and a deep respect for the sacrifices of others, he is making a lifechanging difference - one dog and one veteran at a time.

Learn more at www.partnersforpatriots.org.

Emily Vander Velde is the communications and member services coordinator for North West REC.



Every small town has its unsung heroes, but in Belmond, one woman is proving that determination, vision and a heart for her community can turn the impossible into reality. Amy Goeman McKnight is one of those unsung heroes.

Aimee returned to her hometown of Belmond in 2020 after moving away when she graduated high school in 1995. In 2023, when the city pool faced a crisis, Aimee stepped into her true role - community champion.

After a summer marked by repeated breakdowns, the Belmond City Council voted not to reopen the pool in 2024, citing the nearly \$1 million in needed repairs. Instead of accepting defeat, Aimee gathered a group of dedicated community members to form the Luick Memorial Swimming Pool Committee under the Build a Better Belmond organization.

A new vision for a community landmark

They began meeting with city officials, engineers, financial experts,



pool design firms and residents. What they discovered was that repairing the pool wasn't the answer - rebuilding it from the ground up was the solution.

The challenge? A staggering \$5.7 million price tag.

For most towns of 2,300 people, that number might have been the end of the story. But for Aimee, it was just the beginning.

Fundraising, faith and a finish line in sight

In just 12 months, she and her committee raised an incredible \$2.1 million through donations and a steady stream of community-driven fundraisers. Next up is a critical vote in November 2025 on a \$3 million city bond that could push the project across the finish line.

Her motivation is simple: a love for her community and its future. Friends and neighbors often marvel at how she balances her demanding job, her business and countless hours of volunteer work, often pouring more time into the pool project than anything else.

In a world that could use more unsung heroes, Belmond already has one. Her name is Aimee and she's proving that with passion and persistence, even the biggest dreams can make a splash.

Ryan Cornelius is the vice president of corporate relations for Corn Belt Power Cooperative.

Learn more at bit.ly/belmondpool.

See Page 14 for the article on Chuck Bildstein and Chelsey's Dream Foundation.

ARE ENERGY ANSWERS TRULY BLOWIN' IN THE WIND?

BY SCOTT FLOOD

When Bob Dylan penned his first big hit, "Blowin' in the Wind," more than six decades ago, he was thinking about peace and freedom - not large turbines that generate electricity from powerful winds.

Although many people view wind energy as a new technology, the power of the wind has been harnessed for more than 2,000 years. American agriculture spread across the plains largely because of the windmills that brought underground water to the surface to support crops and livestock. In other places, windmills ran the grinding wheels that turned grains into flour.

Windmills to wind turbines: **Co-ops embrace the evolution**

Of course, turbines capable of generating commercial-scale amounts of electricity are a relatively recent development, and electric cooperatives have been quick to embrace the technology. Co-ops have long been among the leaders in deploying wind power, particularly through what's known as distributed wind generation. Unlike the massive investor-funded wind farms that use hundreds of turbines to generate bulk power for distant towns and cities, distributed wind is used to produce power that will be consumed in the immediate area. That meets co-op members' needs and helps communities thrive while strengthening the nation's electric grid.

Co-ops have expanded their renewable energy capacity by 192% over the past decade. In 2021, the National Rural Electric Cooperative Association and the U.S. Department of Energy joined in a program to assess the potential for distributed wind energy in rural areas. Thanks to that assessment, a pilot site in Iowa with two 10.5 megawatt distributed wind projects is generating over \$300,000 in annual revenue, potentially



reducing costs for members and boosting the local tax base.

Offshore wind turbines offer many of the same benefits as those on land, along with one key advantage: wind speeds over the ocean tend to be higher and steadier, allowing the turbines to produce significantly more electricity. According to the American Geosciences Institute (AGI), a wind turbine can generate twice as much electricity from a 15-mph wind as it can from a 12-mph breeze.

Economic impact and real-world challenges

The economic development benefits of wind generation are also impressive. Nearly 150,000 Americans currently work in the wind power industry, and the U.S. Bureau of Labor Statistics reports that wind turbine service technicians represent the decade's fastest-growing career. Besides producing electricity, wind projects generate nearly \$2 billion in taxes and lease payments annually. improving local economic health.

However, offshore wind turbines can be even more costly to build and maintain than those on land. The AGI points out that it's challenging to erect turbines in water that's deeper than 200 feet. While that's not a problem along the east coast's continental shelf, most west coast locations

with suitable wind are in areas where the ocean plunges far deeper. Turbines may suffer damage from the high winds and waves produced by hurricanes and other tropical weather. Installing power cables to safely transport the electricity back to land can also be expensive.

On land or at sea, the operation of the turbines creates some environmental concerns. Birds and bats that fly into blades and towers may be injured or killed. The spinning turbine blades can also be a source of noise for people living nearby. In addition, many people view the tall structures as eyesores. That's particularly true with offshore wind turbines situated near coastal areas popular with tourists.

It's also worth noting that the economics of wind energy often rely on state and federal incentives. Without those enticements, electric co-ops and commercial developers may find other forms of generation to be more affordable.

So, while the answer to the energy needs of co-ops may indeed be blowing in the wind, getting there will demand plenty of time, money, innovation and some good oldfashioned problem solving.

Scott Flood writes on a variety of energyrelated topics for the National Rural Electric Cooperative Association.

FIND HIDDEN ENERGY USERS AT HOME

BY MIRANDA BOUTELLE

Out of sight, out of mind. It is easy to overlook the hidden energy users in our homes. Yet, every plugged-in device and ready-to-use appliance can lead to higher electric bills.

Let's see if we can find some hidden energy savings for you.

Tackle energy hogs you don't see

Your water heater could be using more energy than necessary. Storage water heaters heat water to a preset temperature. When hot water is used, cold water enters the tank, lowering the temperature, and the water is reheated to that preset level. If the water heater is set higher than needed, it wastes energy. Most water heaters are set to 140 degrees F at the factory. The U.S. Department of Energy recommends setting the temperature to 120 degrees F. Doing so will save energy and reduce the risk of scalding. Do not set it lower than 120 degrees F to prevent bacteria development in the tank.

Exterior security lights, porch lights and barn lights can use more energy than needed. If they are on every night, all year long, that adds up to 4,380 hours, or half the hours in a year. If those lights use outdated, inefficient technology, they waste energy. With that many hours, even a slight increase in efficiency can yield big energy savings. Switch to energy-efficient LED bulbs. If lights don't need to stay on, consider upgrading to motion sensor lights to avoid drawing energy all night.

Pools and hot tubs can also be big energy users. Since you don't see the pumps or heaters by design, it's difficult to know when they are operating and consuming energy. Pumps filter water to keep it clean and safe for swimming. ENERGY STAR®certified pumps run at lower speeds and can be programmed to match your pool's filtering needs, according to the U.S. Environmental Protection Agency. They can pay for themselves in two







years, are quieter and can prolong the life of your pool's filtering system. Schedule your hot tub to a lower temperature when you're not using it to reduce energy use. If your electric utility offers time-of-use rates, consider scheduling accordingly.

Take control of plugged-in power

Plug load is anything in your home that is plugged into an outlet. As we use more and more appliances and technology in our homes, plug load energy use increases. Find what is plugged in around your home. If you aren't using it, unplug it. For computer stations and entertainment centers, consider using smart power strips. These devices sense when energy is being used and turn peripheral devices on or off as needed.

Gaming consoles are another hidden energy user. Gamers often put them in rest mode when not in use. This allows them to complete updates and reduces start-up time for the next session. It also means they are still consuming energy even when not actively used. Powering off between gaming sessions can save energy. Ask the gamers in your life to power off. It may require a bit more time for updates, but every kilowatt-hour counts when it comes to saving energy.

It's easy to make a habit of powering down and unplugging once you identify everything drawing power in your home. For upgrades, reach out to your electric utility about available rebates to help cover costs.

Miranda Boutelle writes on energy efficiency topics for the National Rural Electric Cooperative Association.



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Chelsey Bildstein was a talented athlete, rising professional, and beloved daughter, sister, aunt, cousin and friend. Raised in a loving family, she wanted nothing more than to be a mom someday. Sadly, she would not have the opportunity herself, but it was her dying wish that others get to experience the joy of parenthood.

In 2013, Chelsey, was diagnosed with uterine and ovarian cancer at the age of 23. When she learned of her disease, she gracefully accepted that she would not have biological children. As her cancer rapidly progressed, Chelsey expressed to her parents Chuck and Carol Bildstein her dying wish. Her dream was no longer to grow a family of her own through adoption, but to help other families with the cost of their adoptions. Her wish became Chelsey's Dream Foundation.

Carrying on Chelsey's legacy

Maquoketa Valley Electric Cooperative Energy Advisor Al Reiter nominated Chuck for a Shine the Light award for his work with Chelsey's Dream Foundation, which was established to honor the memory of Chelsey and fulfill her wish to assist families with adoption expenses and emotional support.

"Chelsey's Dream Foundation is a perfect fit for the Shine the Light award. It has been a valuable resource since it began and continues to help families with their adoption goals more than a decade later," said Al.

Building families with every act of generosity

While Chelsey passed away in 2014, her foundation has since helped more than 100 families (80 from lowa) with adopting 141 children. This organization continues to be a valuable resource, providing adoptive families with grants from \$3,000 to \$15,000. The foundation has never turned a family down.

Chuck has taken the loss of his daughter as an opportunity to help others and carry on her dream. The Bildstein family and many close family friends support the foundation by holding numerous fundraising activities in the Anamosa community, including an annual raffle for a sideby-side UTV, a girls' youth softball tournament with more

than 50 teams participating and a golf and auction event that attracts at least 300 people annually.

In addition to financial assistance, the foundation provides emotional support through annual seminars on the adoption process. They

also connect families who share their experiences and mentor those needing help navigating the adoption process.

While Chuck lives by the creed of getting involved and doing something to bring a smile to someone's face every day, he is most proud of Chelsey's courage and her open heart to help others, even in a time when she was facing terminal cancer.

Chuck said simply, "She is our hero."

Learn more at www.chelseysdreamfoundation.com.

Christie Remley is the manager of communications and public relations for Maquoketa Valley Electric Cooperative.



BE STILL IN A DIGITAL WORLD

BY DARCY DOUGHERTY MAULSBY

I was quite a sight, one hot, humid July morning this past summer during a Sunday service at the Swede Bend Church at Twin Lakes Bible Camp.

By 9 a.m. it was stuffy inside that simple 150-plus-year-old building with no air conditioning. But that wasn't the issue. The guest pastor was preaching on Psalm 46 and the verse, "Be still, and know that I am God." He noted that this has become tougher than ever in a world of digital distractions. And yet there I was, typing away on my smartphone.

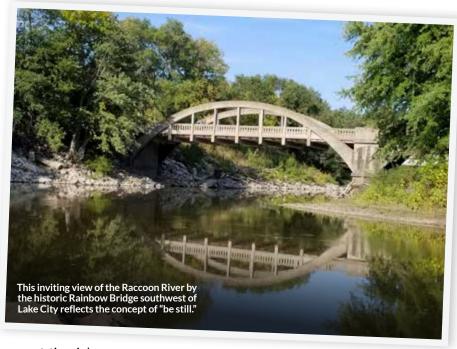
I didn't have a pen or paper handy, but I needed to take some notes fast. Ironic, I know, but I sensed a story when the preacher started talking about our inability - our refusal - to be still.

I typed notes in an email to myself, even as the pastor urged us to spend less time on electronic devices. I kept on typing as he shared his "no cell phones at dinner" rule. He's happy to pay for his family members' meals at a restaurant - except for anyone in the group who picks up his or her phone during the meal. Guess it's a good thing we weren't at dinner.

How much of your time is consumed online?

These comments from the pastor really hit home:

- How much time do you devote each day to looking at phone screens, computer screens and TV screens? For the average American adult, it's approximately 7 hours and 3 minutes each day, according to a study by Exploding Topics. Guilty as charged.
- Smartphones can be addictive, as I know all too well. How many times a day do you check your phone? For the average American, it's a staggering 205 times a day, according to a 2024 report from Reviews.org. "If you add up all this screen time, it's the equivalent of



a part-time job – or more," the pastor said. If you keep tallying up this screen time, it equates to spending more than 18 years of your life online, he added.

All this screen time can be especially rough on adolescents. By the early 2010s, an epidemic of teen mental illness hit many countries at the same time. Young people's rates of depression, anxiety, self-harm and suicide rose sharply, more than doubling on many measures, noted social psychologist Jonathan Haidt, who wrote "The Anxious Generation."

Published in 2024, his book explains how "play-based childhood" began to decline in the 1980s and was wiped out by the arrival of the "phone-based childhood" in the early 2010s. He presents specific examples of how this great rewiring of childhood has interfered with kids' social and neurological development, from sleep deprivation to attention fragmentation, addiction, loneliness and more.

Being still is an action

So, what's the answer? It's not like most of us can just disconnect from the digital world. I liked the pastor's practical suggestions, which I'm trying to incorporate into my life:

- Understand that being still is an action. Set aside non-phone and non-computer time every day. It takes commitment, but it's worth it. Use tech to support your values, rather than eclipsing real-life experiences.
- Practice being still every day. Establish a routine. Before the day is done, write down three things you're thankful for. I've found it's surprisingly easy and enjoyable, once you get started.
- Be truly present. This can be as simple as appreciating the beauty of creation around you.

To me, something that symbolizes all this is a lake or river with water so smooth it reflects the sky. Calm. Peaceful, Unhurried, It's a good reminder that God whispers to you in the quiet moments. Be still and listen.

Darcy Dougherty Maulsby lives near her family's Century Farm northwest of Lake City. Visit her at www.darcymaulsby.com.



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