

● MAY 2026

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ELECTRIC COOPERATIVE LIVING

Shine the Light
contest returns

Learn about serving
as a CVEC director

Beef burger recipes

CVEC's Youth Tour representatives selected ► See Page 12

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ON THE COVER

Special thanks to Alannah McKibben, a T.I.P. REC member-consumer, for supplying this month's cover image. Submit high-resolution photos for consideration to editor@ieclmagazine.com. You could receive \$100!

WE ALL KNOW A LOCAL VOLUNTEER WORTH CELEBRATING

BY ERIN CAMPBELL



This is one of my favorite times of the year. While I enjoy the lovely weather and vibrant blooms, what makes it extra special is seeing your entries come in for our annual Shine the Light contest!

Celebrating volunteers across Iowa

Now in our sixth year, the Shine the Light contest is a statewide effort where Iowa's electric cooperatives celebrate our commitment to the communities we serve. During the month of June, member-consumers, employees and retirees of Iowa electric co-ops are encouraged to nominate volunteers in their communities who are making a positive difference. If you live in Iowa and receive electricity from an electric cooperative, you are eligible to enter our contest.

After the contest closes on June 30, our panel of judges will take on the difficult task of selecting three volunteers, and each will receive a \$3,000 donation to their local charity. We also feature each winning volunteer in the September issue of this magazine so our readers can learn more about the important work they do.

Who you can nominate

We are a few weeks away from accepting nominations but start thinking now about who you would like to recognize this year. You can nominate a friend, neighbor or relative for our Shine the Light contest starting June 1; nominees do not need to be electric cooperative member-consumers. Nonwinners who were nominated in previous years are welcome to be nominated again. Minors can be nominated as long as you have permission from their parents or



Nominate a local volunteer and they could win \$3,000 for their charity!

Contest entries accepted during June at www.IowaShineTheLight.com

legal guardians. Each co-op household can make one nomination per year.

How to submit a nomination

In the contest entry, we ask for some of your basic contact information (the nominator), contact information for the person you are nominating, and a summary (in 500 words or less) of how your nominee has made a difference in the community and how their local charity/nonprofit might use the \$3,000 donation. We try to keep the nomination process

simple while still providing essential details for our judges to consider.

This program is such a success because co-op members like you take time to celebrate those who go above and beyond in your community. Thank you for supporting our Shine the Light contest and consider making a nomination during the month of June at www.IowaShineTheLight.com!

Erin Campbell is the director of communications for the Iowa Association of Electric Cooperatives.

EDITOR'S CHOICE CONTEST

WIN \$100 IN BEEF CERTIFICATES

May is Beef Month in Iowa! To celebrate, we're giving away \$100 in beef certificates to use at a grocery store. You can select your favorite cuts to purchase, and then make mouthwatering meals at home.

Visit our website and win!

Enter this month's contest by visiting www.ieclmagazine.com no later than May 31. 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 pizza stone and cookbook from the March issue was **Bob Toms**, a **Chariton Valley Electric Cooperative** member-consumer.



ENTER ONLINE BY MAY 31!

CVEC ADVOCATES FOR MEMBERS AT REC DAY ON THE HILL

Green was the dominant color at the Iowa State Capitol on March 17, but it wasn't just for St. Patrick's Day. Nearly 200 advocates gathered in Des Moines wearing green in support of Iowa's rural electric cooperatives during the 2026 REC Day on the Hill event.

Among them were representatives from Chariton Valley Electric Cooperative (CVEC), who joined fellow cooperatives from across the state to advocate on behalf of the members and the communities they serve. By participating in this annual event, CVEC ensures that the voices of local members are heard directly by state legislators.



Back row, pictured from left: Troy Amoss, CVEC CEO/general manager; Norm Major, CVEC board secretary; and Karla Heffron, CVEC board treasurer. Front row: Rep. Barb Kniff McCulla; Kenny VandenBerg, CVEC board president; Marchelle Brown, CVEC board vice president; and Richard Welsh, CVEC board director.



Rep. Barb Kniff McCulla and Troy Amoss, CVEC CEO/general manager.



Pictured from left: Troy Amoss, CVEC CEO/general manager; Kenny VandenBerg, CVEC board president; Rep. Sam Wengryn; and Marc Smiarowski, CVEC staking and field technician.




Pictured from left: Marc Smiarowski, CVEC staking and field technician; Sen. Amy Sinclair; Troy Amoss, CVEC CEO/general manager; and Kenny VandenBerg, CVEC board president.

OFFICE CLOSING

In observance of Memorial Day, Chariton Valley Electric Cooperative will be closed on Monday, May 25. This day serves as a time to remember and honor the men and women who made the ultimate sacrifice in service to our country. Regular business hours will resume on Tuesday, May 26. We wish you a safe and meaningful Memorial Day!



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Local voices at the Capitol

CVEC representatives spent the day meeting with legislators, discussing key issues affecting rural Iowans and electric cooperative members.

“It’s important that rural voices are part of the conversation when decisions are being made. REC Day on the Hill gives us a seat at the table to advocate for our members, protect our workforce and ensure policies are fair for the cooperative business model,” said Troy Amoss, CVEC CEO/general manager.

Advocating for safety and fair policy

CVEC representatives shared concerns regarding third-party solar provisions included in House File 2672. While electric cooperatives support solar development when it makes sense for their local communities, allowing third-party programs could create an uneven playing field. Unlike electric cooperatives, third-party developers are not held to the same consumer protection standards or regulatory oversight.

Another key topic discussed was utility worker protections outlined in Senate File 2400. This legislation

would strengthen penalties for those who harass, threaten or assault utility workers on the job. Lineworkers often work in hazardous conditions and are required by law to enter dangerous situations, making these protections critically important.

Sharing the cooperative difference

Throughout the day, CVEC joined other cooperatives in educating legislators about the not-for-profit cooperative business model – highlighting the benefits of local ownership, member governance and cost-based rates.

Displays set up in the Capitol rotunda also showcased how electric cooperatives are investing in their communities through economic development, technology upgrades, electric safety initiatives, reliable power generation and youth programs.

CVEC is proud to take part in advocacy efforts like REC Day on the Hill, ensuring that the needs of its members and rural communities remain a priority in state policy discussions.

To learn more about the legislative priorities of Iowa’s electric cooperatives and Iowa Rural Power grassroots advocacy, visit www.iaruralpower.org.

STORM SEASON READINESS: WORKING TOGETHER TO STAY PREPARED

BY TROY AMOSS



As we move into late spring and summer, we also enter a time of year when severe weather becomes more common across our area. Thunderstorms,

high winds and lightning can develop quickly and sometimes cause power outages. At your cooperative, we work year-round to prepare for these moments, but storm readiness is truly a shared effort.

Preparing the system

Long before storm clouds appear, our crews are focused on strengthening and maintaining the electric system. This includes inspecting poles and lines, replacing aging equipment and clearing vegetation along rights of way to reduce the risk of outages. We also monitor weather conditions closely and stand ready to respond at a moment's notice when severe weather is forecasted.

Responding during outages

When outages do occur, our priority is to restore power as safely and quickly as possible. That process begins with assessing the system, identifying the source of the outage and making repairs in a way that restores service to the greatest number of members in the shortest amount of time. In some cases, particularly after major storms, restoration can take longer as crews work through widespread damage.

While we handle the system side, there are important steps you can take to be prepared at home. Having a basic outage plan can make a big difference. We encourage members to keep an emergency kit with essentials like flashlights, batteries, bottled water and a backup phone charger. It's also helpful to have a plan for staying informed

and reporting outages, whether through our website, mobile app or by phone. During large storms, members can also stay up to date by checking our Facebook page for the latest information and updates.

If you use a standby generator, please be sure it is properly installed and never connected directly to your home's wiring without appropriate safeguards. Improper generator use can pose serious risks to you, your family and utility crews working to restore power.

Above all, we ask that you stay clear of downed power lines and report them immediately. Always assume a downed line is energized and dangerous.

Working together for safety

As a locally owned cooperative, our commitment is to you – our members and our communities. Storms may be unpredictable, but preparation, communication and teamwork make a difference. We appreciate your patience and support when severe weather impacts our system, and we will always work to restore your power safely and as quickly as possible.

On a personal note, I never take for granted the trust you place in us – especially during challenging conditions. When storms hit, our crews are not just serving members, they're helping neighbors and friends. That sense of responsibility drives everything we do, and it's something I'm incredibly proud to be a part of.

Troy Amoss is the CEO/general manager of Chariton Valley Electric Cooperative.

WANT A SAY IN YOUR COOPERATIVE? JOIN THE CVEC BOARD!

Are you ready to make a difference in your cooperative? Chariton Valley Electric Cooperative (CVEC) is now accepting nominations for members interested in serving on the board of directors. Serving as a director is a vital opportunity to have a direct voice in shaping CVEC's future while working alongside others committed to the cooperative's values and the democratic process.

This year, board seats are open for election in the following districts:

- **District 2** – Monroe County and portions of Davis and Wapello counties
- **District 4** – Lucas and Marion counties
- **District 5** – Albia city limits

What does a director do?

CVEC directors play an essential role in:

- Setting cooperative policies
- Approving budgets and strategic plans
- Attending monthly board meetings
- Participating in special sessions and training seminars to stay informed on industry developments

How to become a candidate

Any CVEC member residing in an open district is eligible to seek election.

To qualify, candidates must:

- ✓ Complete a director candidate petition packet
- ✓ Collect at least 15 signatures from CVEC members residing in the same district

Petition packets are available by:

- Calling 641-932-7126
- Emailing election@cvrec.com
- Visiting www.cvrec.com/election-directors

Completed packets and all required materials must be submitted to CVEC by June 4 at 4:30 p.m.

Get involved, represent your fellow members and help lead CVEC into the future!

ARE SMART APPLIANCES RIGHT FOR YOUR HOME?

BY MIRANDA BOUTELLE



Smart technology is quickly becoming part of everyday life, and home appliances are no exception. From thermostats to refrigerators, connected devices promise greater convenience, improved energy efficiency and more control at your fingertips. But are these features truly worth it for every household? Before making the switch, it's important to understand how smart appliances work and whether they align with your lifestyle.

What makes an appliance “smart”?

Let's start by defining what “smart” means. Smart appliances – such as refrigerators, washers, ovens, thermostats and water heaters – connect to the internet. Typically, through Wi-Fi or Bluetooth, these appliances can be controlled using your smartphone, tablet or voice-assistant device. They are designed to optimize energy use and add convenience. Some smart devices can even learn your habits over time.

Are smart appliances right for your home? The answer depends on your preferences and types of appliances you already have. The better question might be: Are smart appliances right for you? Do you like the newest tech and typically keep your phone within arm's reach? Do you enjoy the convenience of calling out commands to Alexa? Or do you prefer less technology or something in between? Personally, I'm somewhere in the middle.

Where smart appliances can save energy

Many smart appliances allow you to see how much energy each device consumes. That information can be helpful to better understand your energy habits and identify where energy may be going to waste.

Smart thermostats are a popular choice for managing energy use and reducing energy waste. Heating and cooling systems are typically a home's biggest sources of energy

consumption. According to ENERGY STAR®, you can save an average of 8% on heating and cooling with a smart thermostat. Savings depend on your climate, the type of system you have and how you use it.

Most energy savings from a smart thermostat come from automating temperature adjustments while you are sleeping or away from home. If you are already good at manually adjusting your thermostat, you likely won't see big savings, but you might prefer the convenience of a programmable device you can control on an app.

Smart thermostats make it much easier to program your heating and cooling schedule. Some have geofencing features that automatically adjust settings based on how far your phone is from home.

Coming in with the second-highest energy user in most homes is the water heater. I like the smart controls on my heat pump water heater. Also called a hybrid water heater, it uses

heat pump technology to move heat instead of using energy to create heat. That makes it two to three times more efficient than a conventional electric resistance water heater. You can save even more energy with smart heat pump water heaters.

I can monitor energy use, change settings if we need more hot water and check how much hot water is available before I jump in the shower after my kids have used it. The app notifies me when it's time to clean the air filter on top of the unit. I can access that information without having to go down to the basement. I can even

set it to vacation mode after I've left the house for a trip. Not all heat pump water heaters have smart technology, so be sure to check before buying.

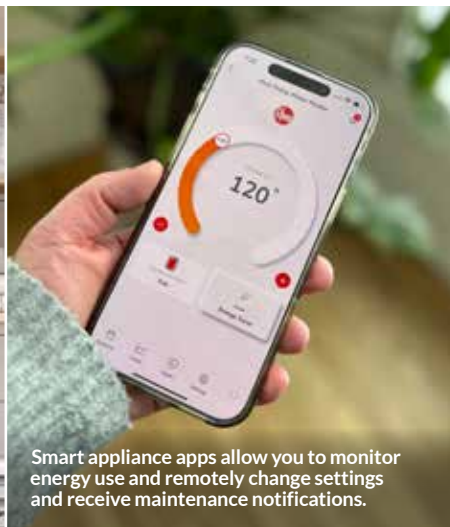
Balancing convenience with potential drawbacks

My refrigerator is a different story. I like the ability to monitor energy use, but it can be annoying to have my phone notify me that the door is open when I'm thousands of miles away at a work conference. There are certain features that can only be controlled through the app, which I find frustrating. The next thing I know, my husband texts me to make more ice

while he's standing right next to it, and I'm on the other side of the country.

Monitoring energy use and making it easier to control your household devices are benefits of smart appliances. Before upgrading, do your research to understand how the features work and whether they benefit your lifestyle. Smart technology can help lower your energy use. But, in some cases, you're better off improving your energy habits with the appliances already in your home.

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



Smart appliance apps allow you to monitor energy use and remotely change settings and receive maintenance notifications.



You can save an average of 8% on your heating and cooling costs with a smart thermostat, according to ENERGY STAR®.



Before buying new appliances, such as a smart dryer, research how the features work to understand whether they are beneficial to your lifestyle and help lower energy use.

COOL THINGS YOU CAN DO WITH SMART APPLIANCES

- Get an alert if your refrigerator door is open.
- Look inside your refrigerator without opening the door and wasting energy each time a family member wants a snack.
- Schedule your laundry or dishwasher to operate when your electricity rates are lowest.
- Have your dryer adjust cycle time automatically with incorporated sensors to help you reduce your dryer's energy use. This feature ensures that your dryer will automatically shut off when clothes are dry.
- Turn your room air conditioner off remotely from your smartphone if you forget before you leave home.



SMASH BURGERS

- 1 cup and 3 tablespoons ketchup, divided
 - 2 tablespoons mayonnaise
 - 2 tablespoons dill relish
 - 1 tablespoon mustard
 - 1 tablespoon green onion, diced
 - 1½ teaspoons pepper, divided
 - 1¼ teaspoons salt, divided
 - 3 pounds ground beef
 - 3 tablespoons white onion, grated
 - 3 tablespoons Worcestershire sauce
 - oil
 - 16 slices cheese
 - 8 buns
- toppings: onion, lettuce, tomato**

In a small bowl, stir together 1 cup ketchup, mayonnaise, dill relish, mustard, green onion, ½ teaspoon pepper and ¼ teaspoon salt. Set smash sauce aside. Combine ground beef, grated onion, Worcestershire sauce, 3 tablespoons ketchup, 1 teaspoon pepper and 1 teaspoon salt. Divide mixture into 16 balls. Brush skillet or griddle with oil. Place ground beef balls in skillet and smash with a piece of parchment paper to create burgers. Cook 2 minutes on high. Flip and top with one slice of cheese. Cook another 2 minutes, or until done and cheese is melted. Brush additional mayonnaise inside bun halves and toast for 2-3 minutes. Assemble burgers in order: bottom bun, generous amount of smash sauce, two burger patties, onion, lettuce leaf, tomato slice, more smash sauce and top bun. Burgers can also be grilled and onions for topping can be sautéed. *Yield: 8 sandwiches*

**Lauren Zollinger • Rock Rapids
Lyon Rural Electric Cooperative**

BARBECUED BURGERS (SLOPPY JOES)

- 10 pounds ground beef
- 3 cups onion, finely chopped
- 9 teaspoons salt, optional
- ¾ teaspoon pepper
- 3 cups tomato juice
- 3 cups ketchup
- 1 cup brown sugar
- ¼ cup prepared mustard
- ¼ cup vinegar
- 1½ tablespoons Worcestershire sauce
- ¾ cup rolled oats, to thicken

Brown ground beef, then add remaining ingredients and simmer for 30 minutes. Or, to make ahead, mix and cook all ingredients except ground beef. Divide sauce into 10 small freezer bags and freeze. When needed, brown ground beef. Then, add one portion of sauce per one pound of ground beef and simmer for 30 minutes. The sauce is also great for tacos, taco bowls and similar meals. *Entire recipe serves 30*

**Sonya Colvin • Ames
Consumers Energy**

BBQ SHREDDED BEEF

- 2 pounds beef
- 1½ cups BBQ sauce, warmed
- ½ cup brown sugar
- 1 tablespoon dried onion

Cook beef and shred. Mix all ingredients together and serve. *Serves 6*

**Rebecca Hancox • Plano
Chariton Valley Electric Cooperative, Inc.**

BACON-WRAPPED HAMBURGERS

- ½ cup cheddar cheese, shredded
- 1 tablespoon Parmesan cheese, grated
- ½ small onion, chopped
- 1 egg
- 1 tablespoon ketchup
- ½ teaspoon salt
- ½ teaspoon pepper
- 1 pound ground beef
- 1 tablespoon Worcestershire sauce
- 6 slices bacon

In a bowl, combine all ingredients except bacon. Mix well, then shape into patties. Wrap each with a piece of bacon and secure with toothpicks. Grill patties until done. Serves 6

Tom DeVries • Maurice
North West Rural Electric Cooperative

GOOD OL' BURGER

- 1 egg, lightly beaten
- ¼ cup dry red wine or beef broth
- 1 tablespoon chili sauce
- ¼ teaspoon Italian seasoning
- ¼ teaspoon pepper
- 1 pound ground beef
- buns

In a large bowl, combine egg, wine or broth, chili sauce, seasoning and pepper. Add beef and mix lightly but thoroughly. Shape into four ½-inch thick patties. Cover and grill burgers over medium heat 5-7 minutes on each side, or until 160 degrees F. Grill buns cut side down over medium heat 30-60 seconds, or until toasted. Serve burgers on buns with toppings of your choice. Yield: 4 servings

Joel Hartter • Rock Rapids
Lyon Rural Electric Cooperative

STUFFED BURGERS

- 2 pounds hamburger
- 2 eggs
- ¼ cup rice
- 1 cup ketchup
- 1 cup zesty Italian dressing
- 1 cup Miracle Whip
- 1 tablespoon Worcestershire sauce
- mozzarella cheese
- button mushrooms, sliced

Mix hamburger, eggs and rice well. Form into large, thin patties and place in an air-tight container. Whisk together ketchup, dressing, Miracle Whip and Worcestershire sauce. Add mixture to container with patties and marinate overnight. Take one patty and top with 1 tablespoon mozzarella and mushroom slices. Top with another patty and thoroughly seal edges together. Brown each side of patties, then place in slow cooker. Cover with marinade sauce and simmer on low for 3-4 hours. The burgers can also be grilled if you prefer.

Mary Roberts • Victor
T.I.P. Rural Electric Cooperative

CROWD CRUSHER BEEF BURGERS

- 10 pounds ground beef
- ½ teaspoon salt
- ½ teaspoon pepper
- 1 cup ketchup
- ½ cup mustard
- ½ cup brown sugar
- ½ cup dried onions, chopped
- 1 cup sweet pickle juice

Brown ground beef with salt and pepper. Once cooked thoroughly, add the remaining ingredients. Keep tasting until desired flavor is obtained. Serve immediately or place in slow cooker to keep warm. Yield: 20 4-ounce sandwiches

Walter Mason • Hampton
Franklin Rural Electric Cooperative

MOCK FILET MIGNON

- 1½ pounds ground beef
- 1 tablespoon Worcestershire sauce
- 2 tablespoons ketchup
- 1 egg
- 1 tablespoon dry onion flakes, minced
- 1 teaspoon salt
- 1 cup cheddar cheese, shredded
- 1 small can mushroom bits and pieces
- bacon slices

Combine all ingredients except bacon and form into thick patties. Wrap each with a slice of bacon and secure with toothpicks. Broil or barbecue on a grill to desired doneness. Serves 6

Deb Peterson • Albia
Chariton Valley Electric Cooperative, Inc.

WANTED:

CHICKEN DINNER RECIPES

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

Deadline is May 31

Winner, winner chicken dinner! Grilled, fried, breaded or in a casserole, we're looking for your favorite chicken recipes. Selected submission will appear in our September issue, just in time for Family Meals Month. 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



Visit www.ieclmagazine.com and search our online archive of hundreds of recipes in various categories.



GEOHERMAL ENERGY BREAKTHROUGHS

BY JEFF GROENEWOLD

The strongest geothermal resources in the U.S. are often found in regions with active geology, such as areas near major tectonic plate boundaries. The mud pots shown here are located outside the John L. Featherstone Geothermal Plant in California.

Electric cooperatives focus on delivering safe, reliable and affordable electricity to the communities they serve – and they do that by utilizing a variety of energy generation resources, ranging from natural gas, coal, hydropower, nuclear, solar and wind. One energy source that is often overlooked is geothermal energy. Geothermal power has been used for many years and continues to improve as new technologies are developed.

Geothermal energy is a renewable source of power that comes from heat inside the Earth. Geothermal resources are natural or man-made pockets of hot water found at varying temperatures and depths below the ground. Wells, which can be just a few feet deep to several miles deep, are used to bring extremely hot water and steam to the surface for a variety of applications, such as heating and cooling, direct use in industrial processes and electricity generation.

The strongest geothermal resources in the U.S. are often found in regions with active geology, such as areas near major tectonic plate boundaries. These resources are not limited to one location but are spread across several western states. One well-known example is The Geysers in Northern California, the largest geothermal power complex in the country. Facilities like this use injected water to create steam from underground

heat, which spins turbines to generate reliable electricity for the power grid.

In 2023, geothermal generation accounted for approximately 17 billion kilowatt-hours, the equivalent of a year's worth of consumption for the city of Indianapolis.

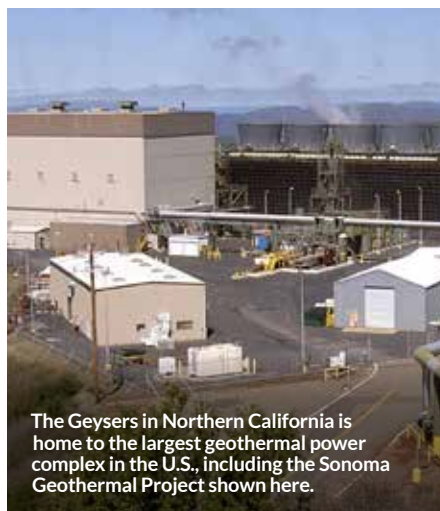
The U.S. has about 3.9 gigawatts of geothermal power capacity. Most of this power is produced in California and Nevada, which together generate the majority of U.S. geothermal electricity. Smaller amounts of geothermal power are also produced in Alaska, Hawaii, Idaho, New Mexico, Oregon and Utah.

Technology advances and new projects

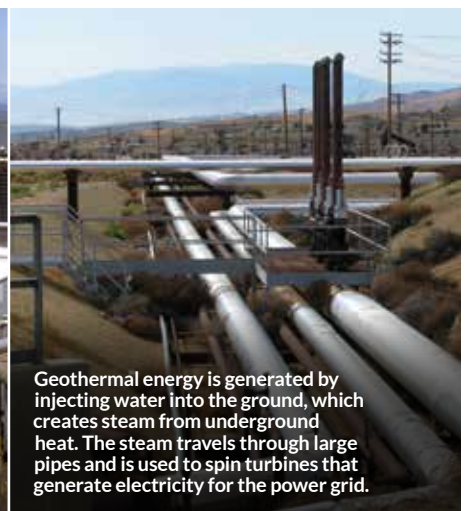
New ways of exploring geothermal energy, such as enhanced geothermal

systems (EGS) and superhot rock technology, are helping developers access heat sources that were not possible to use before. These new methods are making geothermal energy available in more places across the country.

In early 2025, investment in geothermal energy grew quickly, reaching \$1.7 billion. One example of this growth is Fervo Energy's Cape Station project in Utah. The project plans to produce 100 megawatts of power by the end of 2026 and increase to 500 megawatts by 2028. It already has approval to expand to up to 2 gigawatts. The project aims to produce electricity at a cost of \$79 per megawatt hour, even without government subsidies.



The Geysers in Northern California is home to the largest geothermal power complex in the U.S., including the Sonoma Geothermal Project shown here.



Geothermal energy is generated by injecting water into the ground, which creates steam from underground heat. The steam travels through large pipes and is used to spin turbines that generate electricity for the power grid.

Geothermal has a high capacity factor, near 90%, making it a strong source of around-the-clock power. Electric co-ops in the western U.S. can benefit from existing geothermal plants, while new technologies like EGS and hybrid designs are helping expand geothermal energy across the country. Continued federal support for tax credits, permitting and research lowers the cost and risk of new projects.

Growing investment and project development

Federal policy has helped drive recent growth in geothermal energy. The Geothermal Tax Parity Act (HR 6873), introduced in late 2025, aims to put geothermal projects on equal footing with oil and gas by extending important tax benefits, including exploration credits. Other proposed bills before the House

Natural Resources Committee focus on improving permitting, reducing exploration risk, clarifying land use and supporting lease sales.

Together, these efforts help create a stronger path for geothermal energy development in the U.S.

Jeff Groenewold writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association.

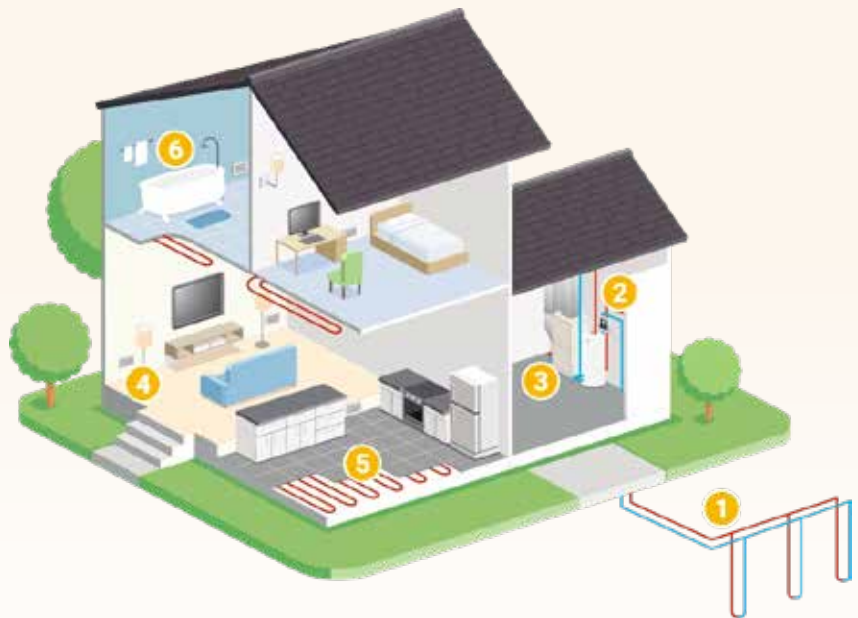
HOW GEOTHERMAL TECHNOLOGY WORKS IN HOMES

Beneath our feet, the Earth maintains a steady temperature year-round and geothermal systems use that stability to heat and cool homes efficiently. Also known as ground source heat pumps, these systems rely on a network of underground pipes, or “loops,” that circulate a water-based solution to transfer heat between your home and the ground.

In the winter, the system pulls heat from the Earth and brings it indoors. In the summer, the process reverses: excess heat from your home is transferred into the cooler ground. Because the Earth’s temperature remains relatively constant compared to outdoor air, geothermal systems operate far more efficiently than traditional heating and cooling systems.

Though the technology may sound cutting-edge, it’s been used by electric cooperatives for decades.

One of the biggest advantages is efficiency. Geothermal systems can be up to 400% efficient and typically reduce heating and cooling costs by 40% to 70%, saving homeowners around \$1,400 annually compared to older HVAC systems. While installation costs are higher – mainly due to the need for underground loop installation – many systems pay for themselves within five to seven years. Federal and state tax credits can also significantly offset upfront costs.



- 1 Ground loop.** The Earth absorbs and stores almost 50% of the sun’s solar energy. Because of this, the temperature 4 to 6 feet below ground is consistently between 45-70 degrees F. A geothermal system transfers heat from one place to another using a ground loop field buried in the yard. The loop field circulates a water-based solution through a series of pipes.
- 2 Flow center.** The flow center resides on your unit or a wall near the geothermal system. It pumps the water-based solution in the ground loop to the house or building unit to disperse heating or cooling.
- 3 Indoor heat pump.** The loop field transfers heat to the home through an indoor geothermal heat pump kept indoors through forced air and radiant heating and cooling.

- 4 Forced-air heating and cooling.** In a forced-air system, an air-handler disperses the ground’s heat to air in a home or building through ductwork and vents. In the cooling mode, the process is simply reversed.
- 5 Radiant heating (optional).** Known as the most comfortable type of heating, radiant heating uses a series of pipes under a home or building’s floor to circulate warm water, which heats the entire space evenly.
- 6 Hot water.** A hot water assist, known as a desuperheater, allows the system to capture excess heat to assist a water heater. This cuts hot water costs 25-40%. Geothermal systems can also provide 100% of the hot water needed for a home.

Beyond savings, geothermal systems offer durability and low maintenance, making them a long-term investment in both comfort and sustainability.

Unlike solar or wind, geothermal energy is available 24/7, using stored thermal energy from the Earth regardless of weather conditions.

UNCLAIMED CAPITAL CREDITS – ARE YOU ON THE LIST?

Each year, hundreds of capital credit checks go unclaimed because they are returned to Chariton Valley Electric Cooperative (CVEC) due to outdated addresses or remain uncashed. If you were a CVEC member in 2011 or 2012, you may have a capital credits check waiting for you!

What are capital credits?

One of the benefits of being a member of a not-for-profit electric cooperative is that any earnings remaining after expenses and reserves are returned to members as capital credits, also known as patronage dividends. These credits represent your share of ownership in the cooperative.

A
ANSLEY CONNIE L
AREY CURT L

B
BAARDE JANICE T
BACON JOHN L
BALL ANITA A
BENN STEVE C
BONNETT JENNIFER L
BROWN AMY S
OR DUSTIN R

C
CARLSON BRITNEY N
CASSILL KYLE J
COLON LUIS A

F
FECHTLING-FORD
SHAWNA
FISHER JENNIFER L
FRANKS BAIT
TACKLE MORE

G
GRAHAM ESTATE LAURA

H
HATFIELD MURL D
OR MARJORIE
HEFNER HENRY W
HEINDEL ROB

J
JASNOCH JESSE J
JONES LUCIA M

K
KANE KENNETH R
KEYES CHRIS C
KUBOTA OF
SOUTHERN IOWA

L
LS TOOLS INC
LANGE LANCE K
LEAR ESTATE BETTY JEAN
LONG BRIAN G
LOWRY EQUIPMENT INC

Help us find these members

- **If you find your name on the list:** Contact CVEC at 641-932-7126 to verify your address, phone number and Social Security Number associated with the account. Once verified, we'll mail you a replacement check.
- **If you know someone on the list:** Let them know! They'll need to contact CVEC to claim their capital credits.
- **If the person on the list is deceased:** The executor of their estate should reach out to CVEC for guidance on closing out the patronage dividends.

M
MANNING WALLACE
OR DEANNA
MCCLURE KELLY L OR
MIKE L
MCMAHON JEREMY
MCMAHON RACHELL S
MICHAEL TIM J OR
RONDA M
MILLER IVAN J
MOORE BRITTANEY J
MORRILL JERRY
MORRIS RICHARD W
OR W JEAN
MYERS ANNA R

MYERS PEGGY A OR
RALPH T

N
NEVILLE JOSH R
NOE EVANS KELLEEN S

R
RILEY CARRIE A OR CASEY L

S
SEWAL UNITED
METH CHURCH
SHELQUIST ROBERT I
SHUEY DAVID K
SINDT ESTATE SR JERRY R
SISLER ADAM L
SMITH CHRISTINE L

SMITH DARRICK
SOUTHERN IA HOME
HEALTH CARE
STONER MATTHEW T

T
TAFT ESTATE ROBERT A
TAYLOR NEIL E
THOMAS WILMA

V
VANDERMARK VELTA

W
WARBRITTON AARON R
WESSEL MICHAEL L
WESTON RONNIE D
WHISLER GREGGA

CVEC'S YOUTH TOUR REPRESENTATIVES SELECTED

Chariton Valley Electric Cooperative (CVEC) is proud to announce its 2026 Youth Tour representatives, Isla Avery of Centerville High School and Kirah Whitney of Moravia High School. Selected through a competitive application and interview process, these two students will represent CVEC this June during the 2026 Youth Tour in Washington, D.C.

Each year, electric cooperatives from across the country sponsor high school students for this once-in-a-lifetime leadership experience. The Youth Tour offers participants a unique opportunity to explore the nation's capital, gain insight into government and public policy, and learn more about the cooperative business model that serves their local communities.

During the weeklong trip, Isla and Kirah will join other students from across Iowa and the U.S. as they visit national monuments and museums, meet with members of Congress, and build connections with peers from rural communities nationwide.

"We are proud to support these students and provide them with the opportunity to experience our nation's capital," said Troy Amoss, CEO/general manager of CVEC. "Youth Tour helps develop future leaders and gives students a deeper understanding of how cooperatives serve their communities."

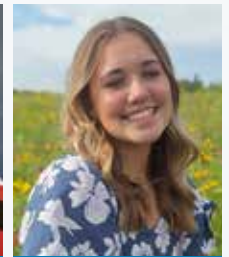
Meet the representatives

Isla, a sophomore at Centerville High School, is the daughter of Evan and Rodganna Avery. She is actively involved in a wide range of school activities, including band, FFA, FCCLA, wrestling, cross country, cheerleading, track and field, student council, speech and drama club. Outside of school, Isla participates in 4-H and is active in her church. She is especially excited to visit Washington, D.C., meet students from across the country and gain a better understanding of how government works.

Kirah, a sophomore at Moravia High School, is the daughter of Heather and Chad Whitney. She is involved in volleyball, basketball, trapshooting and FFA, and enjoys participating in her



ISLA AVERY



KIRAH WHITNEY

church's youth group. Kirah is looking forward to learning more about the nation's history and government while experiencing all that Youth Tour has to offer.

CVEC is honored to support the Youth Tour program each year, thanks to the continued support of its members. Investing in the next generation of leaders and strengthening the communities we serve remain central to the cooperative's mission.

For more information about the Youth Tour program, visit www.cvec.com.

KMA STEEL: BUILDING A BUSINESS FROM THE GROUND UP

BY ANN FOSTER THELEN

KMA Steel is proving that a small-town business can have a nationwide impact while staying rooted in southern Iowa.

Based in Albia, KMA Steel has grown rapidly from its beginnings as a small metal art company in 2012 into a full-service steel fabrication business. The company is now owned by Sonny Schroeder, Doug Wolfer, Caleb Chidester and Brian Thompson, each bringing experience from different areas of the steel industry.

"In 2018, KMA Steel was formed, and at that time, we were primarily a detailing company, creating shop drawings for other steel fabricators," Schroeder said. "We were creating blueprints for other steel fabricators all over the U.S."

That early focus on detailing laid the groundwork for growth. KMA Steel expanded into structural and miscellaneous steel fabrication, where steel is cut, welded and assembled into finished pieces, and now provides services that span design, detailing and production.

"We can take a project from the early design stages all the way through fabrication and delivery," Schroeder said.

From design to delivery

KMA Steel works with architects, engineers and general contractors to turn concepts into finished structures. Using advanced 3D modeling and cloud-based technology, its detailing team collaborates with partners across the country.

The company's work ranges from agricultural and industrial projects to architectural features and custom railings. Recent Iowa projects include fabrication for the new lion exhibit at Blank Park Zoo and detailing work for the Des Moines University campus.

"The majority of our projects are commercial and industrial, and they involve either the structural framework of a building or access systems like stairs and platforms," Schroeder said.



Rapid growth grounded in Albia

KMA Steel's growth has been significant. After purchasing a 30-acre site in Albia in 2022, the company expanded its fabrication space and workforce.

Today, the company employs 25 people in its fabrication shop and nearly 20 on the detailing side. Many of the detailing employees work remotely across the country using shared digital models.

"Our growth has happened quickly, and our original five-year plan did not include having this many employees," Schroeder said. "We credit our growth to strong customer relationships and a very dedicated team."

Rooted in community

Despite its national reach, KMA Steel remains deeply connected to the local community. Several of the company's partners and employees have strong ties to Monroe County, and many workers are graduates of local schools.

"I'm very proud that we are creating good-paying jobs right here in our community," Schroeder said.

The company supports local organizations and events, including the Monroe County Fairgrounds and

veterans' initiatives. In addition, the ownership group has invested in the Albia Golf Course, transforming it into a community gathering space.

Workforce development is also a priority. KMA Steel hires graduates from area welding programs, including a partnership with Indian Hills Community College, helping students transition into skilled careers.

"We have been fortunate to attract and retain high-quality employees," Schroeder said. "That reflects both the strength of our workforce and the kind of workplace we are trying to build."

Looking ahead

As demand continues to grow, KMA Steel is investing in innovative technology and equipment to increase efficiency and expand capabilities.

From a small detailing operation to a nationwide steel partner, KMA Steel continues to expand its reach while maintaining a strong commitment to its hometown and the region it serves.

Ann Foster Thelen is the editor of Iowa Electric Cooperative Living magazine.

HOME SAFE HOME: SPRING INTO ELECTRICAL SAFETY

BY ANN FOSTER THELEN

Spring is a season of fresh starts. As the weather warms across Iowa, “For Sale” signs pop up, moving trucks roll through neighborhoods and many families begin a new chapter in a new home. It’s also a time when home projects and outdoor activities ramp up – making it the perfect moment to think about safety.

That timing lines up with two important reminders: May is National Electrical Safety Month and June is National Homeownership Month. Together, they offer a simple but powerful message for Iowa’s electric cooperative member-consumers: whether you’re settling into a new house or simply refreshing your current one, taking a few minutes to check your home’s electrical safety can protect your family, your property and your peace of mind.



Get to know your electrical panel

Knowing your breaker box means understanding its parts, like the main breaker for the whole house, individual switches for circuit breakers and their functions.

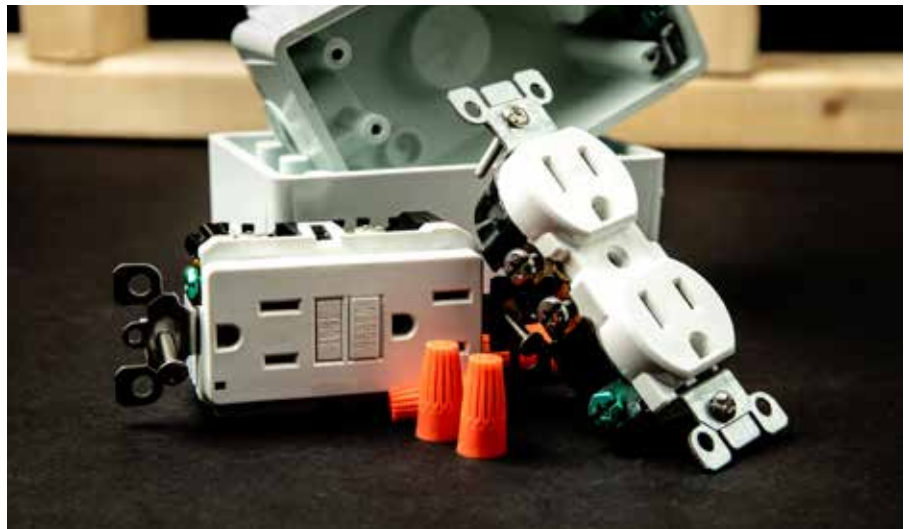
- Familiarize yourself with your electrical panel and label each breaker and panel by appliance or room.
- Test how to reset a tripped breaker.
- Find the main shut-off switch in case of an emergency.



Avoid electrical hazards

Identifying potential hazards can ensure your family’s safety, prevent fires and reduce costly repairs.

- Have only one heat-producing appliance, such as a coffee maker, microwave or space heater, plugged into an outlet at a time.



- Major appliances (refrigerators, dryers, washers, stoves) should be plugged directly into a wall receptacle outlet. Extensions cords and outlet strips should not be used.
- Inspect cords for signs of fraying or damage and replace or repair them immediately.
- Only use extension cords temporarily. Don’t run cords under rugs, carpets, doorways or windows. Have a qualified electrician add more outlets if needed.
- Use surge protectors to safeguard devices such as computers, televisions and appliances from sudden power spikes.
- Always keep electrical devices away from water sources such as sinks, tubs and pools.
- Reduce risk of shock by using ground fault circuit interrupters (GFCIs) around water sources such as kitchens, bathrooms, garages, basements and outdoors.
- Use outlet covers to prevent children (and pets) from inserting objects into unused outlets.
- Use light bulbs with the correct wattage – lamps and fixtures have a sticker to indicate the maximum wattage.
- Have a working smoke and carbon monoxide detector on every floor of your home and ensure there are units installed near your sleeping area.
- Keep outdoor ladders away from overhead power lines, including the electrical service into your home.



Call a professional if you notice these signs of an electrical problem

- Frequently blown fuses, tripped circuit breakers and unexplained power outages.
- A tingling feeling when touching an appliance.
- Discolored or warm outlets or switch plates.
- A burning or rubbery smell, or a buzzing or sizzling sound.
- Flickering or dimming lights.
- Sparks from an outlet.

As you enjoy Iowa’s warm weather, always keep electrical safety on your home checklist. Pair these habits with energy-saving steps, and you’ll reduce risk while lowering your utility bill. The little choices you make every day add up to a safer, more efficient household.

Ann Foster Thelen is the editor of Iowa Electric Cooperative Living magazine.

IT'S A GOOD THING THAT IT HURTS

BY DARCY DOUGHERTY MAULSBY

His family described him as the calm in a storm. He had an endless curiosity about the world. He made the most of every opportunity to learn a new skill.

He was also good to his family's cat, Autumn.

Such simple details about Sgt. Declan Coady, 20, and yet they resonate with me, a cat lover with an insatiable curiosity.

I never knew Sgt. Coady, but I heard a lot about him after the West Des Moines native was killed in a March 1 airstrike in Kuwait. As soon as I heard the name Coady, my thoughts turned to my friend Becky Coady, whom I met in our 2017-2018 Leadership Iowa class.

Becky and her family are a military family. I hoped this loss wasn't someone they knew. But Sgt. Coady was a relative. My heart broke.

Sgt. Coady enlisted in the Army Reserve in 2023. He received the Army Service Ribbon, National Defense Service Ribbon and the Overseas Service Ribbon. He served his country with honor, courage and dedication, embodying the best of what it means to wear the uniform.

He died during in early-morning U.S. and Israeli strikes on Iran. He and fellow Army reservists, including Maj. Jeffrey O'Brien of Indianola, were killed when a drone struck a port in Kuwait. These men and women were supporting Operation Epic Fury, a mission focused on destroying Iran's missile capabilities.

About a week after the deadly drone strike, family and friends gathered at Drake University to remember Sgt. Coady. "It's a good thing that it hurts," said Marty Martin, Drake's president, who is also a U.S. Air Force veteran and Air Force Reserve veteran. "Whether we knew Declan as a friend, as a member of our family, as a fellow student or one of our



students, we respected him and held him in esteem. And losing him hurts."

Honoring service and sacrifice

Too often in our hectic, fast-paced world, it's easy for losses like this to make news headlines and then quickly fade away. It's different, though, for the families, friends and communities closest to those who died.

Those memories can last a lifetime – and beyond. I'm reminded of this each Memorial Day when my family and I place flowers on the graves of our ancestors, including those who served in the U.S. Army more than a century ago.

Originally called Decoration Day, Memorial Day was first widely observed on May 30, 1868, to commemorate the sacrifices of Civil War soldiers. I'm grateful this tradition lives on.

Protecting our freedom

Sacrifice is almost a foreign concept in our world today. Yet it's ingrained in our service members like Sgt. Coady and their families. Some pay the ultimate price.

I'm thankful we still have people who are willing to serve and protect our freedom, including soldiers like Sgt. Coady. Perhaps nothing reflects this spirit better than the Soldier's Creed from the U.S. Army.

SOLDIER'S CREED

I am an American soldier.

I am a warrior and a member of a team.

I serve the people of the United States and live the Army values.

I will always place the mission first.

I will never accept defeat.

I will never quit.

I will never leave a fallen comrade.

I am disciplined, physically and mentally tough, trained and proficient in my warrior tasks and drills.

I always maintain my arms, my equipment and myself.

I am an expert, and I am a professional.

I stand ready to deploy, engage, and destroy, the enemies of the United States of America in close combat.

I am a guardian of freedom and the American way of life.

I am an American soldier.

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



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The magazine
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