

● JULY 2024

Iowa

ELECTRIC COOPERATIVE LIVING



**Federal energy policy
threatens reliability**

Summer energy forecast

Seasonal dessert recipes

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ON THE COVER

Special thanks to Jacob Holck, whose family are North West REC member-consumers, for supplying this month's cover image of tornado damage in Greenfield. He is also a former Iowa Youth Tour participant. Submit high-resolution photos for consideration to editor@ieclmagazine.com. You could receive \$100! Holck donated his prize to relief efforts in Greenfield.

REFLECTING ON A COOPERATIVE CAREER

BY CHUCK SODERBERG



Do you remember what you were doing in July of 1979? That's when my electric cooperative career began 45 years ago. When I

started working for Northwest Iowa Power Cooperative (NIPCO) in the summer of '79, I had just graduated from college and was so excited to start my first job. I didn't know much about the electric industry, but I soon learned how complicated it is to provide reliable, affordable power to the member-owners of Iowa's electric cooperatives.

Over the years, many have asked what keeps me up at night. My answer is simple: This is not the time to restrict the use of any generation source to produce electricity. The electric industry must be allowed to use all resources to produce reliable, affordable electricity. This must include the use of coal, natural gas, nuclear and weather-dependent renewable resources such as wind and solar. An "all-of-the-above" strategy is the only way to meet the growing electricity needs of this country. Read more on Pages 6-7 of this issue.

Leading the statewide association

In my role as executive vice president and general manager of the Iowa Association of Electric Cooperatives (IAEC) for the past nine years, I have been blessed to help bring electricity to those less fortunate. Through IAEC's participation in National Rural Electric Cooperative Association (NRECA) International projects in 2019 and just last month, Iowa's electric cooperatives have helped two rural Guatemalan villages receive electricity for the very first time. This transformation will improve their lives in fundamental ways for generations.

At IAEC, I have also worked to bolster our member co-ops' cybersecurity



Photos courtesy of Northwest Iowa Power Cooperative

defenses, as cyberattacks are now an ever-present threat in the electric industry. Iowa's electric cooperatives have made great strides over the last four years, and the electric industry must remain vigilant in this area.

An honor serving co-op members

On July 31, I will retire after serving for 36 years at NIPCO and nine years at IAEC. It has been an honor to serve you in these roles. IAEC is in great hands as the board of directors' leadership is second to none. The staff at IAEC work

tirelessly to serve you, the electric cooperative member-owners.

I always tell my family to enjoy the journey of life. God has blessed me greatly, and I am excited for what lies ahead. Now, it's time for me to shift gears and enjoy the rest of my journey. During my retirement, I will always have one eye on the electric industry while the other eye will be focused on my faith, family and friends.

Chuck Soderberg is the retiring executive vice president and general manager for the Iowa Association of Electric Cooperatives.

EDITOR'S CHOICE CONTEST

WIN AN ELECTRIC PRESSURE WASHER!

The Craftsman 1,900 MAX PSI Electric Cold Water Pressure Washer is durable, mobile and powerful enough for outdoor cleaning tasks. With three nozzles, including a turbo nozzle, you have the accessories you need to wash your car or clean your back patio. The pressure washer gun has an integrated soap tank for cleaning with soap.

Visit our website and win!

Enter this month's contest by visiting www.ieclmagazine.com no later than July 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 \$100 in beef certificates from the May issue was David Tallon, a Harrison County REC member-consumer.



ENTER ONLINE BY JULY 31!

SUMMER ENERGY FORECAST

BY JIM GOSSETT



This spring, the North American Electric Reliability Corporation (NERC) released a report outlining its 2024 Summer Reliability Assessment. In

the report, NERC raised concerns regarding several regional transmission organizations (RTOs) and their challenges related to electric generation and transmission this summer. NERC is a not-for-profit international regulatory authority whose mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid.

Raccoon Valley Electric Cooperative's (RVEC) service territory is not in one of these regions.

Our RTO is the Southwest Power Pool (SPP) and is not listed in a risk category this summer. SPP balances demand and generation continuously in real-time between its 111 member companies, including Corn Belt Power

Cooperative, ensuring enough energy is transmitted across high-voltage power lines to where it is needed at the exact moment when it is required. This is crucial because if supply and demand get out of balance, costly damage can occur to parts of the grid and large areas of the country can lose power.

A complex power grid

It is important to remember that the electric grid is made up of thousands of generating stations and millions of miles of line. A power plant outage or natural disaster could impact SPP's projections. RVEC along with Corn Belt Power – and its primary power provider Basin Electric Power Cooperative – are well-positioned to meet this summer's peak demand. And, as we have always done, we will communicate potential issues with you as they arise. We have diligently maintained reliable electric service, even during drastic weather changes.

However, our work is far from complete.

The way we generate electricity is rapidly changing. More and more, renewable energy sources like wind and solar power are coming online, while traditional sources like coal, nuclear and natural gas are being retired.

All-of-the-above energy strategy

We continue to work with policymakers and regulators on a state and federal level for a sensible all-of-the-above generation approach. While considering the energy transition, we must recognize the need for time and technology development while including all energy sources to maintain reliability and affordability. A resilient and reliable electric grid that affordably keeps the lights on is the cornerstone of our rural economy.

Electric cooperative families and businesses expect the lights to stay on at a price they can afford. To maintain the reliability of your power supply, we must adopt an all-of-the-above strategy that includes renewable energy as well as dependable resources we have come to rely on, like coal, natural gas, nuclear and hydropower. This diverse energy mix is essential to meeting those expectations day in and day out.

Our mission remains the same. We are here to safely provide you with reliable, affordable and responsible electricity. We will continue to advocate on your behalf and do everything we can to continue to live up to that mission.

Jim Gossett is the CEO of Raccoon Valley Electric Cooperative.



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Jim Gossett, CEO

RVEC is an equal opportunity provider and employer.



WHY MEMBERSHIP MATTERS

You could be a member of a lot of different places: a gym, a 4-H club, a food-of-the-month club – the list goes on and on! But what makes being a member of a co-op different? The simple answer is that when you are a co-op member, you are also an owner.

You own a stake in our business, and just like any stakeholder, there are many benefits to your membership. As a member-owner of Raccoon Valley Electric Cooperative, you have a say in the representatives who are elected to serve on the co-op's board of directors. You have an opportunity to make your voice heard every year at our Annual Meeting, which will be held Sept. 25 this year.

You get a say on policy issues your electric cooperative supports or opposes. You can even help to determine how your profits are redistributed. Our bottom line is providing you with safe, reliable and affordable electricity. While we must think about expenses, overhead and other aspects of daily business, when we have money left over, we send it back to you. And returning capital credits is a major part of why being a co-op member matters.

As your local electric co-op, we are part of this community. When we think about membership, we think about all the ways we can give back to you, our member-owners – and that is what matters most to us.



NOMINATING COMMITTEE APPOINTS DIRECTOR CANDIDATES

The Nominating Committee's responsibility is to select director candidates from each of the districts in which directors' terms expire. The following members of the cooperative were nominated for the office of director for the term specified to be voted on at the Annual Meeting to be held on Sept. 25, 2024.

Twenty or more members may make other nominations in writing over their signatures, not less than 45 days prior to the Annual Meeting date of Sept. 25, 2024. The secretary shall post such nominations at the same place where the list of nominations made by the committee is posted.

DISTRICT II

Steve Schable
Carter Haukap

DISTRICT III

Adam Handlos
Will Reever

DISTRICT V

Mark Ludwig



Laramie River Station. Photo Source: Basin Electric Cooperative

SOUNDING THE ALARM: FEDERAL ENERGY POLICY THREATENS ELECTRIC RELIABILITY

BY CHUCK SODERBERG

Those of us who work in the electric utility sector are deeply concerned how federal energy policy is threatening electric reliability for the families, businesses and communities we serve. It's time to sound the alarm and raise awareness of how these misguided mandates will negatively impact our country.

In April, the Environmental Protection Agency (EPA) released its final Power Plant Rule, which includes four major environmental regulations. One regulation under Section 111 of the Clean Air Act (also known as the Greenhouse Gas Rule) will limit emissions from existing coal and new natural gas power plants. The Iowa Association of Electric Cooperatives (IAEC) stands with the Iowa Attorney General, the Iowa Utilities Board (IUB) and the Iowa Office of Consumer Advocate (OCA) in opposing these regulations on

the grounds that they are unlawful, unrealistic and unachievable.

The EPA's Power Plant Rule requires existing coal and natural gas generation facilities to deploy carbon capture and sequestration at a level that is not yet achievable or commercially viable. The other three regulations in the rule tighten already stringent standards for mercury and air toxins and wastewater and impose additional burdensome requirements on legacy coal ash sites.

Policy targets always-available generation

Specifically, the Power Plant Rule will force the early closure of "always-available" electric generation sources and limit the construction of new natural gas plants as our nation's economy will require more electric generation in the years ahead. Existing coal-fueled units that plan to operate past 2032 and until 2039

must co-fuel with natural gas at a 40% rate starting in 2030.

To operate past 2039, existing coal-fueled plants must capture or avoid 90% of their carbon emissions by 2032. The Power Plant Rule also requires the same 90% carbon capture or avoidance for new natural gas plants operating at baseload (above a 40% capacity factor). These new standards will impact electric utilities' abilities to economically and reliably replace lost coal generation.

These reckless regulations are not based in reality and pose an immediate threat to the electric grid and will negatively impact electric reliability here in Iowa. We are sounding the alarm that these EPA mandates will drastically diminish electric cooperatives' ability to provide dependable power when our member-consumers need it most.



Leland Olds Station. Photo Source: Basin Electric Power Cooperative



Walter Scott, Jr. Energy Center. Photo Source: Central Iowa Power Cooperative



Earl F. Wisdom Generating Station. Photo Source: Corn Belt Power Cooperative

Jeopardizing affordable and reliable electricity

With the Power Plant Rule, the EPA is overreaching its legal boundaries, disregarding practicality and endangering national energy security. These new mandates jeopardize affordable and reliable electricity by forcing the premature closure of “always-available” power plants while also making it harder to permit, site and build critical new generation facilities. As electric demand increases each year, replacing dispatchable electric generation sources like coal and natural gas with intermittent power sources like solar and wind is a recipe for disaster.

We support an “all-of-the-above” electric generation strategy that prioritizes reliability.

Iowa’s electric utilities are not alone in our concern. In filing joint comments on the proposed EPA Power Plant Rules back in 2023, Iowa’s OCA and the IUB expressed the following opposition to the mandates:

“The proposed rules treat reliability as merely one of many considerations and do a poor job in making that consideration.” ... “The proposed rules are rushed, the record does not meaningfully consider the impact of this truly essential service, and

EPA myopically pursues a narrow goal at the expense of larger societal benefits like life, heat, and jobs.”

National utility trade associations – including the National Rural Electric Cooperative Association, the Edison Electric Institute and the American Public Power Association – and a coalition of 27 attorneys general, including Iowa Attorney General Brenna Bird, have filed separate lawsuits in the U.S. Court of Appeals for the D.C. Circuit, petitioning for review of the EPA’s Power Plant Rule and to stay the rule while the Court decides the motion.

Risk of insufficient power resources

Additionally, the North American Electric Reliability Corporation (NERC) has noted this growing capacity shortfall, which has resulted from the reduction in reliable electric generation and the increase in electric demand. In its 2024 Summer Reliability Assessment, NERC warns that there is an elevated seasonal risk for several regions of the country, including parts of the Midwest. This means there is potential for insufficient operating reserves – which can translate into rolling power outages – in above-normal peak conditions. And in 2023, NERC

listed energy policy as the highest significant risk to grid reliability.

Southwest Power Pool (SPP), a regional transmission operator that covers parts of western Iowa, warns that the EPA’s rule poses reliability risks.

“SPP is concerned that limited technological and infrastructure availability and the compliance time frame will have deleterious impacts including the retirement of, or the decision not to build, thousands of megawatts of baseload thermal generation.”

Iowa’s economy can’t succeed without reliable electricity, and the EPA cannot ignore growing reliability challenges at this critical time for our nation’s energy future. The EPA must follow the law and set realistic standards based on technology that has been adequately demonstrated and is achievable. With the Power Plant Rule, the EPA has set an unworkable timeframe in violation of the Clean Air Act and Supreme Court decisions.

Federal energy policy has now become a major threat to electric reliability and it’s time to take a stand and sound the alarm to protect the Iowans we serve.

Chuck Soderberg is the executive vice president and general manager of the Iowa Association of Electric Cooperatives.



Summer DESSERTS

KIWI PIE

- 1½ cups vanilla wafers, finely crushed (36 wafers)
- 1 teaspoon ground cinnamon
- ½ cup butter, melted
- 1 envelope unflavored gelatin
- ½ cup cold water
- 8 ounces plain yogurt
- ½ cup sugar
- 1 tablespoon lemon juice
- 1 16-ounce carton whipped topping
- 3 kiwis, peeled and sliced

In a mixing bowl, combine crushed wafers, cinnamon and butter. Press onto bottom and sides of 9-inch pie plate. Chill for 1 hour. In a small pan, soften gelatin in cold water. Cook and stir over medium heat until gelatin is dissolved. Cool this mixture. Beat together yogurt, sugar and lemon juice, then stir in the cooled gelatin. Chill until partially set, stirring occasionally. Fold whipped topping into gelatin mixture. Line the bottom and sides of the chilled crust with two sliced kiwis and place whipped topping/gelatin mixture on top. Cover and chill several hours, or until set. Garnish with sliced kiwi before serving.

Mary Thatcher • Breda
Raccoon Valley Electric Cooperative

RHUBARB PUDDING

- 1 heaping cup flour
- 1 teaspoon baking powder
- ½ teaspoon salt
- 1½ cups sugar, divided
- 1 teaspoon baking soda
- 1 tablespoon butter, softened
- 1 cup buttermilk
- 3 cups fresh or frozen rhubarb
- a few pieces butter
- 1 cup boiling water

Mix flour, baking powder, salt, ½ cup sugar and baking soda. Cut in softened butter, then add buttermilk and stir. Pour mixture into greased 9x13-inch pan and top with rhubarb. Sprinkle 1 cup sugar, dot with butter and pour boiling water over top. Bake at 350 degrees F for 35-45 minutes, until the top is golden brown. Any fruit can be used in place of rhubarb, or use 2 cups rhubarb and 1 cup blueberries. Serves 6-8

This recipe is more than 100 years old and was originally called Pie Plant Pudding.

Dawn Fry • Moravia
Chariton Valley Electric Cooperative

RHUBARB DUMPLINGS

- 2 tablespoons butter
- 1½ cups plus ⅓ cup sugar, divided
- 2 cups rhubarb, diced
- dash salt
- ½ teaspoon cinnamon
- 1½ cups boiling water
- 1¼ cups flour
- 1½ teaspoons baking powder
- 2 tablespoons shortening or butter
- ⅓ cup milk
- ½ teaspoon vanilla

Combine butter, 1½ cups sugar, rhubarb, salt, cinnamon and boiling water in heavy skillet. Bring to boil, then reduce heat and simmer 5 minutes. Sift flour, baking powder and ⅓ cup sugar. Cut in shortening, then mix in milk and vanilla. Drop by teaspoons in boiling sauce. Cover and simmer 20 minutes.

Mary Eggebraaten • Forest City
Prairie Energy Cooperative

TOFFEE CRUNCH ICE CREAM CAKE

- 2½ cups chocolate graham crackers, crushed
- ½ cup butter, melted
- ½ gallon vanilla ice cream, thawed slightly
- 4 Heath candy bars, crushed (or more, to taste)
- ½ gallon chocolate ice cream, thawed slightly

Mix 1½ cups graham crackers and butter. Pat into bottom of a greased 9x13-inch pan. Freeze 10-15 minutes. Spread vanilla ice cream onto crumb crust, then sprinkle with half of crushed candy bars and ½ cup cracker crumbs. Spread chocolate ice cream on top, then sprinkle with remaining crushed candy bars and cracker crumbs. Freeze until ready to serve. Butterfinger candy bars also work well.

David Warner • Rock Rapids
Lyon Rural Electric Cooperative

SUMMER STRAWBERRY DESSERT

- 1 large angel food cake
- 2 3-ounce packages instant vanilla pudding
- 2 cups milk
- 3 cups vanilla ice cream
- 1 3-ounce package strawberry Jell-O
- 1 cup hot water
- 1 10-ounce package frozen strawberries

Break cake into pieces and put in bottom of 9x13-inch pan. Mix pudding with milk, then add ice cream and beat together. Pour over cake pieces. In another bowl, dissolve strawberry Jell-O in hot water. Add strawberries, and once thawed, pour over pudding mixture. Refrigerate until ready to serve.

Betty Meeves • Dunlap
Harrison County Rural Electric Cooperative

CHOCOLATE ZUCCHINI CAKE

- ½ cup margarine
- ½ cup oil
- 1¾ cups sugar
- 2 eggs
- 1 teaspoon vanilla
- ½ cup sour milk
- 2½ cups flour
- 4 tablespoons cocoa
- 1 teaspoon salt
- ½ teaspoon baking powder
- ½ teaspoon cinnamon
- 2 cups zucchini, chopped
- 1 cup nuts, chopped
- ½ cup chocolate chips

Cream margarine, oil and sugar. Add eggs, vanilla and sour milk, blend well. Add flour, cocoa, salt, baking powder and cinnamon to creamed mixture and mix well. Add zucchini and nuts. Pour into greased and floured 13x9x2-inch pan. Sprinkle chocolate chips on top. Bake at 325 degrees F for 40-45 minutes. Serves 15

Debra Bartholomew • Ollie
T.I.P. Rural Electric Cooperative

WANTED:

THANKSGIVING SIDE DISHES

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

Deadline is July 31.

Please include your name, address, telephone number, co-op name and the recipe category on all submissions. Also provide the number of servings per recipe.



EMAIL: recipes@ieclmagazine.com
(Attach your recipe as a Word document or PDF to your email message.)

MAIL: Recipes

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AFTER THE STORM: COOPERATION AMONG COOPERATIVES

The Midwest experienced several powerful storms this spring, with the worst of the storms hitting Iowa on May 21.

The National Weather Service issued an EF-4 rating to the devastating tornado that struck Greenfield; five people died, and dozens were injured. Several employees of Farmers Electric Cooperative, headquartered east of Greenfield, and Greenfield Municipal Utilities (served by Central Iowa Power Cooperative) suffered extensive damage to their homes and properties. In addition, Farmers Electric linemen were some of the first to assist with search

and rescue efforts in Greenfield immediately after the tornado hit.

As the storm system moved across Iowa on May 21, many of Iowa's electric cooperatives experienced power outages. The peak of outages occurred around 8:30 p.m. as the storm left Iowa's eastern border, with just over 12,000 electric cooperative outages systemwide. As of 6 a.m. the next day, about two-thirds of those outages had been restored, with electric co-op linemen closing in on the remaining 4,000 outages. After surveying the extent of the damage, Iowa's electric cooperatives supported each other with several

co-ops providing mutual aid for the restoration efforts.

Later in May, northern Arkansas experienced widespread outages following severe storms over Memorial Day weekend. The National Weather Service confirmed tornadoes in six counties and at least eight deaths. In the aftermath, three Iowa cooperatives – Maquoketa Valley Electric Cooperative, Chariton Valley Electric Cooperative and Western Iowa Power Cooperative – sent crews to Arkansas to assist with restoring service to co-op member-consumers.

Photos courtesy of the respective electric cooperatives pictured.



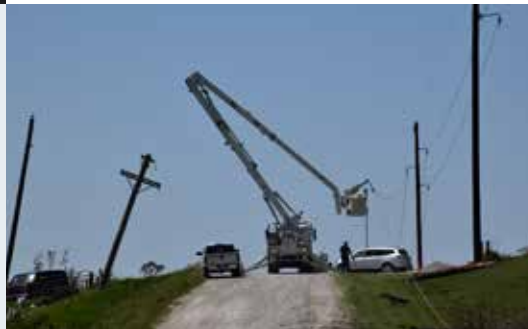
◀ **Corn Belt Power Cooperative** transmission crews cleared downed structures, phases and equipment on May 22 before rebuilding this stretch of line northeast of Farnhamville.



◀ Loyd Hise, Jay Spack, Jordan Terwilliger and Jeff Eagle of **Guthrie County REC** worked with **Consumers Energy** in Marshalltown to provide mutual aid after severe weather hit their service territory leaving broken poles, downed lines and more than 1,000 members without power.



▶ The mid-May storms damaged 109 poles across **Central Iowa Power Cooperative's (CIPCO)** territory.



▶ **Grundy County REC** provided mutual aid support to **Consumers Energy**.





▶ Tornado damage near Harlan in Nishnabotna Valley REC's service territory.

▶ Crews worked to lift a broken transmission pole in CIPCO's service territory.



▶ Pella Cooperative Electric Lineman Matt Ainsworth and Apprentice Lineman Spencer Nagel assisted in the recovery and restoration of Consumers Energy member-consumers in Story and Polk counties.



▶ A road is closed due to downed power lines in the area.



▶ As a result of the storm, Southwest Iowa REC faced the task of replacing 140 broken poles and restringing roughly 142,000 feet of wire. Nishnabotna Valley REC and Chariton Valley Electric Cooperative supported the restoration efforts. The dedicated line crews worked long hours to safely and efficiently restore power in just four days.



▶ Clarke Electric Cooperative linemen spent time working at Farmers Electric Cooperative in Greenfield after the EF-4 tornado.

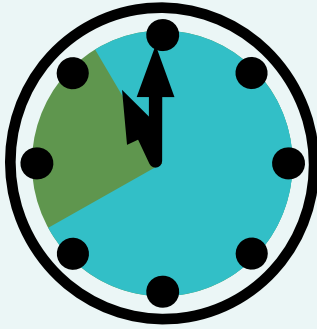
▶ At the peak of the outages following the storm, Maquoketa Valley REC had nearly 3,500 members without power.



▶ A domino of downed poles line a gravel road.



▶ Cooperation Among Cooperatives is one of the most important cooperative principles. NIPCO (pictured) and Corn Belt Power Cooperative assisted CIPCO with storm recovery efforts across Iowa.



REDUCE ENERGY USAGE DURING PEAK HOURS

Peak hours are the busiest time for Raccoon Valley Electric Cooperative (RVEC) since many member-owners are using electricity at the same time. It also costs RVEC more to buy electricity when the demand is high during these peak times, and the cost of your future electricity may also rise. Using less electricity during peak periods saves money.

Here is what you can do to help us help you during peak hours – usually during the hottest summer days between 11 a.m. and 8 p.m.

- 1 **Shift household chores and activities away from peak periods.** For example, wait to run your dishwasher until you go to bed at night.
- 2 **Use the most energy-efficient appliances you have.** Your microwave uses less energy than your stove or cooktop range.
- 3 **If you're buying a new appliance, purchase a high-efficiency one.** Look for ENERGY STAR® labels when you are evaluating.
- 4 **Be aware of your energy consumption.** Try to get in the habit of using energy efficiently all year.

VACATION USAGE: YOUR METER DOESN'T STOP WHILE YOU'RE AWAY

Vacation season is upon us, and you may be traveling to see the sights and sounds of our great country. And while you are gone for a couple of days or weeks, your electric bill will surely go down, right? Wrong.

Many people believe their electric consumption decreases or stops when they are gone. In reality, most electric appliances are still running unless you have taken measures to shut them off. Here are some questions to ask yourself if you want to save energy while you're away.

- **Did you shut off the electric water heater?** If not, it will still run to maintain the temperature that you have the thermostat set.
- **Are the refrigerator and freezer emptied and turned off?** These appliances will continue to run if not.
- **Did you shut off your clocks, computers, dehumidifiers, air conditioner, lights, TVs, power ventilators and attic fans?** Some of these items seem small, but everything adds up.



VIEW YOUR DAILY ELECTRIC USAGE

Did you know that you can view your daily electric usage on SmartHub?

SmartHub lets you view and change account information, notify customer service of account inquiries, and make payments in a secure environment from your mobile device, computer or tablet. You can monitor and analyze your electric use at the touch of a button! This service can help you conveniently manage your account for no cost.

Go to www.rvec.coop and click "Pay My Bill" to register for the service. SmartHub is also available as an app for smartphones and tablets. The app is free and can be downloaded from iTunes or the Android Market.

PLAN TO ATTEND OUR MEMBER APPRECIATION EVENTS

We're excited to celebrate you, our valued member-owners! Join Raccoon Valley Electric Cooperative for Member Appreciation events filled with fun, gratitude and connections.

Wednesday, Sept. 4 – Glidden | 5-7 p.m. 28725 Hwy 30 in Glidden

Wednesday, Sept. 11 – Sac City | 5-7 p.m. 601 E Main St in Sac City

Stay tuned for more details!

WATCH CO-OP PROPERTY WHEN BURNING DITCHES

It's the time of the year when many of our member-owners may be burning off the weeds and grass in ditches.

This burning helps clean things up but can also cause problems if a fire is allowed to burn around Raccoon Valley Electric Cooperative (RVEC) poles, anchors, guy assemblies, underground cabinets and other equipment.

Burning close to RVEC property not only can cause a lot of damage but can also be dangerous and cause future electric service problems. Any member-owners involved may be invoiced for damage caused to co-op property.

To avoid damage to RVEC property, future service problems and danger to yourself and others, please watch where you burn.



CONNECT WITH RVEC AT THE IOWA STATE FAIR!

The Touchstone Energy® Cooperatives of Iowa are pleased to sponsor the 4-H Exhibits Building at the 2024 Iowa State Fair. Raccoon Valley Electric Cooperative is proud to be a Touchstone Energy member, which means we're part of a nationwide network of locally owned co-ops that provides resources and leverages partnerships to help member-consumers use energy wisely.

If you're planning a visit to the Iowa State Fair from Aug. 8-18, stop by and see us in the air-conditioned 4-H Exhibits Building on the southwest corner of the fairgrounds.

Electric co-op staff from across the state will hand out plastic hard hats and suckers for the kids while supplies last. Kids can also try on some lineworker safety gear and take fun photos in our co-op safety selfie station.



REPORT POWER OUTAGES

If you do not have power or have an electrical emergency, call

712-659-3649

Phones are answered 24/7!

BEWARE OF PHANTOM LOADS IN YOUR HOME

You may turn off the TV and power down your computer, but these appliances – and many others – continue to draw electricity, costing you money.

Energy use is multiplied in any appliance with a lit display clock, memory chip or remote control. These include TVs, cable and satellite boxes, microwaves, water coolers, video game players, burglar alarms and more.

According to the Department of Energy, 40% of all electricity used to power home appliances is consumed when the devices are turned off. It's also estimated that these energy "vampires" use 5% of our total electricity and cost U.S. consumers more than \$3 billion annually, according to the Alliance to Save Energy.

So, what can you do to save money?

- Look for the ENERGY STAR® label on all appliances that you purchase. These appliances may use as much as 50% less energy than other appliances.
- Purchase appliances – such as computers and monitors – that will go to sleep (also called power management or stand-by mode) when not in use.
- Any time you purchase an appliance (such as a microwave) with a continually lighted display or clock, you will pay for the constant-on feature. If you can live without these features, your energy costs will decrease.
- If you keep items in your entertainment center powered through power strips, you can turn off – and back on – all the equipment at once.

SIGNS YOUR HVAC IS IN TROUBLE

BY MIRANDA BOUTELLE

Your heating, ventilation and air conditioning (HVAC) system is one of the most important and expensive systems in your home. Equipment functionality issues can affect electricity use, which may result in higher energy bills. Detecting issues early can help you plan for repairs or equipment replacement.

The age of your equipment can be a major factor in function. The lifespan of a heating and cooling system ranges from 15 to 20 years. If your system is approaching or past the 20-year mark, it is wise to start saving for a new system and get replacement estimates. To find the age of your system, look for the manufactured date printed on the unit's nameplate. You can also search online using the model number or call the manufacturer.

There are a few warning signs beyond equipment lifespan that may signal your HVAC system needs to be repaired or replaced.



The lifespan of a heating and cooling system ranges from 15 to 20 years. Proper maintenance and lower use can increase the life of the equipment.

Photo Source: Mark Gilliland, Pioneer Utility Resources

1 Air conditioning is not as cool as usual. If the air from your air conditioner is warm or not as cool as it usually feels, the equipment has an issue. It could be a problem with the compressor or a refrigerant leak. Many refrigerants, especially the ones used in older systems, are harmful to the environment. Fix leaks before adding more refrigerant. Special certifications are required for handling refrigerants, so hire a professional to ensure the work is done properly.

2 Low airflow. If you aren't getting good airflow, it could be an easy fix, such as filter replacement or opening closed dampers. If you've made these fixes and the airflow is not at normal levels, contact a professional. There could be a bigger problem with a motor or fan.

3 Bad odors. Heating and cooling systems sometimes smell when first turned on for the season. Those smells should be minor and dissipate quickly. Any serious smells – such as burning metal, melting plastic or noxious odors – are a sign the system is in trouble. If you smell those odors, turn the system off immediately and contact a professional.

4 Strange noises. There is typically noise associated with the fans and motors in HVAC systems. Take note of any excessive or new noises. If your system is making any clunking, clanging or

whistling noises, turn it off and check the filter. If that doesn't solve the problem, reach out to a professional.

5 Running frequently. Your system needs to run more often to keep up on extreme weather days, but there might be an issue if it runs too often outside of these special circumstances. Short cycling is when a system cycles on and off before completing the heating or cooling process. Contact a professional to diagnose this issue.

Decision-making factors to consider

Several factors come into play when deciding to fix or invest in new equipment. Consider the severity of the issue, repair costs, the likelihood of additional repairs, equipment lifespan and your budget.

The efficiency of your existing system is also a consideration. Heating and cooling technology improvements have come a long way in the last 20 years. Lower operation costs can offset the cost of a new system over time.

Be proactive and evaluate your options before you are in desperate need. And if you are ready to make a change, always get estimates from at least three contractors before making a choice.

Miranda Boutelle writes on energy efficiency topics for the National Rural Electric Cooperative Association, the national trade association representing nearly 900 electric co-ops.



The best solution for your home might be a different type of equipment. This high-efficiency, dual-fuel heat pump system heats and cools.

Photo Source: Midwest Energy Efficiency Alliance

REMEMBERING THE BATTLE CRY OF FREEDOM

BY DARCY DOUGHERTY MAULSBY

When I was putting flowers on the graves of our family members on Memorial Day, I visited the grave of my great-great-grandfather Henry C. Nicholson at the Lake City Cemetery. Ever since I was a kid, I've seen his white marble gravestone with the words "Henry C. Nicholson, Co. B, 106 Ill. Inf."

I never knew much about Henry, other than the fact that he was my great-grandmother Myrtle Dougherty's father. I also knew he died in the master bedroom upstairs in my family's farmhouse in 1925.

I became more interested in Henry's story after interviewing some members of the Sons of Union Veterans of the Civil War and attending one of their meetings this spring in Atlantic, Iowa. These men, who come from Denison, Lenox, Griswold and beyond, are members of the Colonel William H. Kinsman Camp #23.

It was amazing how much each member knew about his ancestor's Civil War service. I shouldn't have been surprised, since the group's mission is to "preserve the history and legacy of the heroes who fought to save the Union during the Civil War." This takes many forms, from educating local school children to locating the final resting place of Union Civil War veterans and providing gravestones.

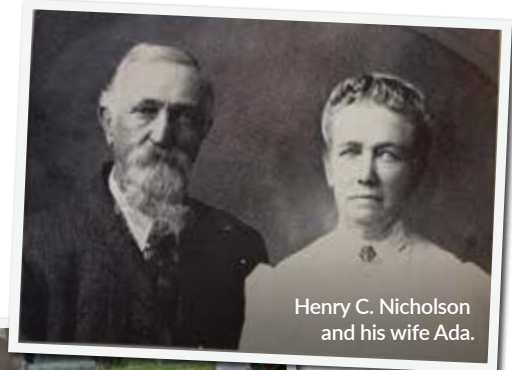
A personal account of the Civil War

These guys inspired me to see what I could find out about Henry Nicholson's life. I was thrilled to find the "Life's History of Henry C. Nicholson Written by Himself," which appeared in the Nov. 26, 1925, edition of the *Lake City Graphic*, following Henry's death.

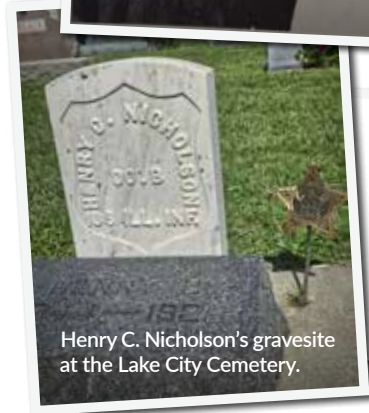
Born in Cass County, Michigan, in 1844, Henry grew up working on farms in Michigan and Illinois. Henry was living in Logan County, Illinois, northeast of Springfield, when "President Lincoln called for 600,000 more soldiers," he noted.

"On Aug. 9, 1862, I went with the Army as a volunteer in Company B, 106th Illinois Volunteers," he wrote. "We camped at Lincoln, Illinois, on the fairgrounds. We drilled hard for two weeks and were then sent south. We went by railroad to Alton, Illinois, and then by boat to Columbus, Kentucky, and then to Jackson, Tennessee. We were soon put on detached service to keep the rebels from burning bridges and tearing up railroads. This brought us in touch with the rebels several times. We had to forage some of the time, as the government was unable to send us food."

Henry noted that, "Four of the boys in my company were captured, and three



Henry C. Nicholson and his wife Ada.



Henry C. Nicholson's gravesite at the Lake City Cemetery.



ran away. I was exposed to all kinds of weather, sleeping in wet clothes, etc. I took very ill with pneumonia and was sent to the regimental hospital and from there to General hospital at Jackson, Tennessee, where I was discharged as an honorable soldier by the medical board, saying I would not be able to stand the service any longer. I was not able to work much for over a year."

Preservation, education and patriotism

Henry eventually recovered, married my great-great-grandmother, Ada (Adams) Nicholson in Illinois, and moved to Calhoun County, Iowa, in 1881. He bought farmland near Yetter, which my family still farms.

The more I've learned about Henry's history, the more I appreciate the Sons of Union Veterans of the Civil War, who promote historic preservation, education and patriotism in their communities. That's worth honoring as we celebrate our nation's independence in July.

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



Members of the Sons of Union Veterans of the Civil War at a recent meeting in Atlantic.



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