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JANUARY 2022

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ELECTRIC COOPERATIVE LIVING

**Electric vehicle
charging expands
in Iowa**

**Energy efficiency
made easy**

**Slow cooker
recipes**

Win a Fitbit Versa 2™ ▶ See Page 3

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ON THE COVER

Special thanks to Chip Doolittle, a Calhoun County Electric Cooperative Association member-consumer, for supplying this month's cover image. Submit high-resolution photos for consideration to editor@ieclmagazine.com. You could win \$100!

THANK YOU FOR STEADFAST VISION AND SUPPORT

BY RAND FISHER



The opportunity to author this statewide perspective was a timely invitation. I couldn't say no to the chance to offer a final commentary, and most importantly,

share my thanks and appreciation for the Iowa Association of Electric Cooperatives' support in my service as president of the Iowa Area Development Group (IADG) these past 25 years.

Crisis brings leadership

In the early 1980s, a gut-wrenching recession grabbed ahold of the Midwest. As farmers faced foreclosures, factories closed their doors and entire communities struggled, Iowa rural electric cooperative leaders came together to fashion plans for recovery and a brighter future.

By 1985, IADG was established with a mission of restoring hope, fostering investment, creating new jobs and enhancing community vitality. United in purpose, Iowa cooperatives committed to becoming leaders in economic development.

Following a crisis, individuals and organizations often revert to the status quo. They forget, or worse yet, give up on the investments and commitments that led them onward and upward. Fortunately, cooperative leaders are different. They take measured steps and then double down on what works and serves the best interests of their members.

A 25-year long blessing

IADG was well-established and its economic development leadership and accomplishments were highly regarded by 1997. The organization was also amid its first executive transition. During the process, I received a call encouraging me to

consider becoming a candidate to lead the organization forward. Apparently, there were some rural electric cooperative leaders that felt my familiarity with business and community development, government and utilities might be a good fit.

I feel so fortunate for my selection 25 years ago. The opportunity to lead the efforts, services and support Iowa rural utilities make in advancing economic development for our state has been a true blessing.

Cooperative vision creates success

Economic development participation and engagement don't come without risk. It often draws naysayers and skeptics and always comes with an abundance of public scrutiny. Thankfully, the investment that Iowa cooperatives have made in economic development has been rewarded by adding and diversifying power sales, welcoming new members and helping the communities they serve to revitalize and prosper.

During my tenure at IADG, cooperative leaders have held steadfast to their values of "cooperation among cooperatives" and "commitment to community." They have continued working together, creating new partnerships and a rich toolkit for continued business and community development success.

Change and transition are once again underway at IADG. The board of directors has chosen Bruce Nuzum, an IADG veteran, as the new president and CEO. He is well prepared with a rich skillset and capacity for hard work. His background and experience will allow him to hit the ground running. He also has a tremendous team to help him. Saying farewell to IADG stakeholders has been made easier by his selection.

Please accept my thanks, gratitude and best wishes for all you have made possible. Most of all, please remain committed to economic development.

Rand Fisher is the president of the Iowa Area Development Group. He will retire on Jan. 31.

EDITOR'S CHOICE CONTEST

Win a Fitbit Versa 2!



Start the new year in style and by tracking your fitness activity. The Fitbit Versa 2™ health and fitness smartwatch includes a Daily Readiness Score, Alexa Built-in, sleep tools and more. The winner can select from three colors - Black/Carbon Aluminum, Stone/Mist Grey Aluminum or Petal/Copper Rose Aluminum.

Visit our website and win!

Enter this month's contest by visiting www.ieclmagazine.com no later than Jan. 31, 2022. 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 \$100 gift card from the November issue was Debra Martin from Access Energy Cooperative.

IOWA CO-OPS RECOGNIZED FOR SAFETY ACHIEVEMENTS



During the Iowa Association of Electric Cooperatives' (IAEC) annual meeting in December, several Iowa electric cooperatives were congratulated for completing the Rural Electric Safety Achievement Program (RESAP) in 2021. The cooperatives included:

- Access Energy Cooperative
- Allamakee-Clayton Electric Cooperative
- Calhoun County Electric Cooperative Association
- Chariton Valley Electric Cooperative, Inc.
- East-Central Iowa REC
- Farmers Electric Cooperative (Kalona)
- Heartland Power Cooperative

- Iowa Lakes Electric Cooperative
- Midland Power Cooperative
- MiEnergy Cooperative
- Prairie Energy Cooperative
- Raccoon Valley Electric Cooperative
- Southern Iowa Electric Cooperative

RESAP is a service of the National Rural Electric Cooperative Association (NRECA) and strives to promote the highest standards of safety among electric cooperatives.

IAEC fully supports the RESAP program and works with electric cooperative members in their safety achievements. The rigorous program requires annual reporting to NRECA of Occupational Safety and Health Administration Data and updates to the cooperative's safety



improvement plan. Every three years, additional data must be submitted to NRECA as well as participation in an onsite safety observation by NRECA at the cooperative.

DID YOU KNOW?

STATEWIDE OUTAGE MAP

www.iowarec.org/outages

The Iowa Association of Electric Cooperatives (IAEC) maintains a statewide outage map. The map refreshes automatically every 15 minutes and shows outage data that is reported by IAEC member cooperatives. Some electric co-ops report outages automatically while other co-ops report outages manually every few hours only during major outage events.

For information regarding specific outages or to report your outage, always contact your local electric co-op directly. It's also important that your local co-op is notified if your phone number or other contact information changes.

OUTAGE MAP

7276 Electric Cooperative Member-Consumers Without Power

This map refreshes automatically every 15 minutes. For information regarding specific outages or to report your outage, contact your local electric co-op directly. This map simply shows outage data that is reported by IAEC member cooperatives. Some electric co-ops report outages automatically at all times while other co-ops report their outages manually every few hours only during major outage events.

Details By County

Outages by County Alpha Highest Outages by County

Adair County
18 member-consumers without power

Details By Cooperative

Outages by Co-op Alpha Highest Outages by Co-op

Access Energy Cooperative
Updated Dec 16, 2021

Outage map on Dec. 16, 2021, the morning after a historic weather event, which included tornadoes and excessively high winds.

If you see downed power lines, always stay away from the lines and poles. Always assume the lines are energized and report any damage to your local electric cooperative.

NRECA CEO INTERVIEWED ON AGRI-PULSE PODCAST

Jim Matheson, CEO of the National Rural Electric Cooperative Association, was recently interviewed by Agri-Pulse for its Open Mic podcast. Agri-Pulse is widely regarded as one of the most trusted farm and policy sources in Washington, D.C. The outlet provides a balanced perspective on a wide variety of issues, including the farm bill, trade, food safety, environment, biotechnology, conservation and crop insurance.

Matheson told Agri-Pulse that electric co-ops' consumer-member focus "drives everything we do. And when it comes to advocating in Washington, it's all about that consumer at the end of the line."

On the need for federal spending to support the economy:



"There are a lot of different definitions of investment, but infrastructure is your classic place to land on that. And it's not just roads and bridges, it can be investment in broadband for America. It could be investment in the electric grid to make it more reliable and resilient, so it performs during [severe] weather events.

Of course, I work for electric cooperatives and all of our decisions are based on that longer-term view when we make investments."

On the adequacy of the electric generation mix:



"As we go forward and we're looking at electrifying more and more of our economy, it's more and more difficult to locate new generation, more and more difficult to locate new transmission lines to deliver that electricity to where it's needed. That's the key question this country faces in terms of reliability of electric supply. It really matters that our consumer, way out on the end of a line, flips on that switch and the light always goes on, and at the end of the month when they get the bill, that they can afford the bill."

On severe weather events:



"As we enter a period where we see these extreme weather events, it places pressure on the grid. And the question is, how can we make investments in the grid, through either the



generation side or the transmission side, to make sure we have the resilience to perform under those extreme events? I do think there are investments we can make to create a more resilient grid, and that's the type of thing we ought to be talking about in the policy arena."

On promoting rural broadband:



"I think rural America should have the same quality broadband as any place else in this country, and I'm pleased that the USDA has adopted this latest round of funding ... that they're going to have real speeds and preference for not-for-profit co-ops."



ENTER TO WIN

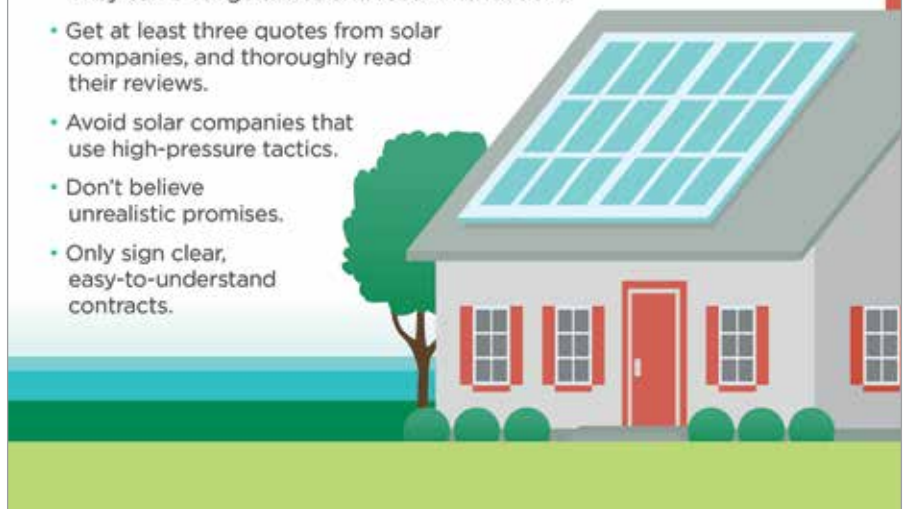
WIN \$100 FOR A PUBLISHED COVER PHOTO

We're always looking for stunning images for the cover of *Iowa Electric Cooperative Living* magazine. If we select your photo for a cover, we'll award you with \$100. The photos must be clear, of an Iowa place served by an electric cooperative and in high resolution. To be considered, email photos to editor@ieclmagazine.com with "Cover Submission" in the subject line.

TIPS FOR AVOIDING SOLAR SCAMS

As the popularity of rooftop solar panels increases, so do solar scams. Here are a few tips to consider before you install a solar PV system for your home.

- Talk to your electric co-op first. They can offer guidance and recommendations.
- Get at least three quotes from solar companies, and thoroughly read their reviews.
- Avoid solar companies that use high-pressure tactics.
- Don't believe unrealistic promises.
- Only sign clear, easy-to-understand contracts.



MAKING DOLLARS AND SENSE OF ENERGY EFFICIENCY

BY PAUL WESLUND

According to the U.S. Department of Energy, ENERGY STAR®-rated appliances can save you 10% to 50% of the energy required for standard models that don't receive the ENERGY STAR® sticker.

The term “energy efficiency” can cause confusion. Some see it as a way to a cleaner environment. Others see extra expense and inconvenience. Sorting out those views gets even more complicated as technology gives us a dizzying array of choices for using electricity, from smart thermostats to varieties of light bulbs.

The basic idea of energy efficiency is simple – use less energy to do the same amount of work, which can save you money on your electric bills.

Here’s where it starts getting confusing. Sometimes you have to pay more for something that’s considered energy efficient. It costs more upfront but actually saves money in the long run. That may sound illogical at first, like the old phrase, “You have to spend money to make money.” But it makes sense after you think about it for a minute. Most moneymaking projects require an initial upfront investment, whether it’s a factory or a lemonade stand.

Pay a little now, save a lot later

From computers to major appliances, manufacturers are increasing the energy efficiency of their products. According to the U.S. Department of Energy (DOE), ENERGY STAR®-rated appliances can save you 10% to 50% of the energy required for standard models that don’t receive the ENERGY STAR sticker. Considering most major appliances last 10 years, those savings can stack up over time.

There’s even more savings in store if you’re replacing older appliances that weren’t built with today’s efficiency standards in mind. Improvements in refrigerators are cutting their energy

use in half about every 15 years. So, if your fridge is more than 20 years old, replacing it with a new high-efficiency model could save you \$300 in operating costs over the next five years.

Smart power strips also show how spending now on efficiency can make money in the future. Keeping your phone charger and other electronic devices plugged in can consume electricity even after they’re fully charged or not in use. A smart power strip cuts off the electricity once charging is complete. A smart strip costs about \$40 and, depending on your electric rates and how much charging you do, it could save as much as \$40 a year on your electric bills.

Another example of returns on energy efficiency investments comes from the world of real estate. Realtors will be the first to tell you that energy efficiency sells houses. If you’re in the market to sell, spending a little extra on insulation and efficient appliances increases resale value.

Save \$200 a year on light bulbs

Light bulbs offer the most dramatic story of efficiency technology improvements. By spending \$5 to \$10 on an LED bulb (compared to about \$1 for an old incandescent), you get a product that uses 75% less electricity and, incidentally, can last 20 years compared to about a year lifespan for an incandescent bulb. The DOE estimates the average home could save more than \$200 a year by replacing incandescent bulbs with LEDs.

Maybe the best news of all is that as efficient products improve and gain



popularity, they’re not always more expensive. Many cheaper appliance models have similar annual operating costs compared with the pricier versions.

If you’re interested in turning energy efficiency into dollars, be sure you know what you want from your energy use and do your homework. Products come with a wide range of features that cost extra and may actually be less efficient. For example, do you want a refrigerator that offers the best efficiency, or do you want to pay more for a less-efficient model that has an ice dispenser in the door?

Don’t hesitate to ask for help. Your local electric co-op has energy experts who can tell you how to make the best use of electricity. To compare efficiency among appliances, look for the yellow Energy Guide label, which shows information like estimated annual operating costs. Explore the www.energy.gov website for online calculators and additional resources that can help you turn efficiency data into real savings on your energy bills.

Paul Wesslund writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the national trade association representing more than 900 local electric cooperatives.



Efficiency improvements in refrigerators are cutting their energy use in half about every 15 years. If your fridge is more than 20 years old, replacing it with a new high-efficiency model could save you \$300 in operating costs over the next five years.



Photos: Whirlpool

SLOW COOKER RECIPES

EASY BEEF STEW

- 2 pounds stew meat
- 1 26-ounce can tomato soup
- 1 soup can water
- ½ onion, chopped
- 3 large carrots, sliced
- 3-4 potatoes, peeled and diced
- salt and pepper, to taste
- 1 tablespoon vinegar

Place all ingredients in slow cooker for 5-6 hours on high, or 6-8 hours on medium. You can substitute 1½ pounds browned ground beef, 1-2 tablespoons cooking wine and a few shakes of Worcestershire sauce in place of stew meat; or canned carrots and potatoes in place of fresh, adding canned items toward the end of cooking time.

LeAnn Lamaak • Britt • Prairie Energy Cooperative

SLOW COOKER SPAGHETTI SAUCE

- ½ pound ground beef
- ½ pound ground sausage
- 1 large onion, chopped
- 1-3 garlic cloves, minced
- 1 28-ounce can chopped tomatoes
- 1 8-ounce can tomato sauce
- 1 6-ounce can tomato paste
- 1 cup beef broth
- 1 teaspoon dried basil
- 1 teaspoon dried oregano
- 1 teaspoon salt
- ¼ teaspoon pepper

In large skillet, brown the beef and sausage over medium-high heat with onion and garlic until cooked through. Drain grease if necessary. Combine in slow cooker with the rest of the ingredients, and cook on low for 6-8 hours. *Serves 8*

Theresa Hays • Redfield
Guthrie County Rural Electric Cooperative

MANGO CURRIED CHICKEN

- 1 onion, sliced
- 4 frozen chicken breasts (2 pounds)
- 1 mango, cubed or 1½ cups frozen mango cubes
- 1½ cups cubed butternut squash, frozen works best
- 1 14-ounce can coconut milk
- 1 4-ounce jar red curry paste
- ½ teaspoon salt
- ½ teaspoon ground ginger
- ¼ teaspoon ground turmeric
- 1 5-ounce bag fresh spinach or kale
- 2 cups cooked rice, wild rice works well
- 1 skinless, seedless roasted red pepper, diced
- 2-3 limes, cut in half

Spread slow cooker with desired oil. Layer floor of slow cooker with onion slices. Layer frozen chicken breasts over onion slices. Place mango (if using fresh, add core for flavor) and squash on top of chicken. In a separate container, stir together coconut milk, curry paste, salt, ginger and turmeric then pour over slow cooker mixture. Cover slow cooker and cook on high for 4 hours or low for 6-8 hours. Using two forks, shred chicken. To serve: Fill bowls with spinach or kale. Using an ice cream scoop, place rice on top of spinach. Pour chicken mixture over rice and add red pepper to the top. Squeeze lime over all. *Serves 4-6*

Anita Doughty • Ankeny • Consumers Energy

CABBAGE-HAMBURGER SOUP

- 1 tablespoon olive oil
- 1 large onion, diced
- 2 pounds ground beef
- 1 tablespoon garlic, minced
- 1 small head cabbage, chopped
- 2 14.5-ounce cans diced tomatoes
- 1 8-ounce can tomato sauce
- ½ cup water
- 1 teaspoon black pepper
- 1 teaspoon salt
- 1 teaspoon Greek seasoning

Sauté onions in oil; add ground beef and cook until just done. Add garlic and simmer 1-2 minutes. Add hamburger mixture and remaining ingredients into slow cooker. Cook on low for 4-6 hours, on high for 2-4 hours, or until desired tenderness. The longer it stews, the tastier it is! *Serves 8-12*

Ruthann Murphy • Dougherty
Franklin Rural Electric Cooperative

CHILI CON CARNE

- 1 pound ground beef
- 1 cup onion, chopped
- 1 clove garlic, minced
- ¾ cup green pepper, chopped
- 1 16-ounce can tomatoes, cut
- 1 16-ounce can dark red kidney beans, drained
- 1 8-ounce can tomato sauce
- 2 teaspoons chili powder
- ½ teaspoon dried basil
- ½ teaspoon salt
- ¼ teaspoon pepper

In a skillet, cook beef, onion and garlic until the meat is browned. Drain off fat. Put mixture in slow cooker, stir in green pepper, undrained tomatoes, beans, tomato sauce, chili powder, basil, salt and pepper. Cover and cook on low setting for 8-10 hours. *Serves 4-6*

Carole Ristau • Eagle Grove
Prairie Energy Cooperative

CHILI FOR BAKED POTATOES

- 2 pounds hamburger
- 2 cans chili style beans
- 1 15-ounce can tomato sauce
- 1 8-ounce can tomato sauce
- 2 teaspoons chili powder
- 1 teaspoon pepper
- 1½ teaspoons salt
- water

Brown hamburger and drain. Put all ingredients in slow cooker and cook all day on low. Add water as needed.

Leora Van Middendorp • Rock Rapids
Lyon Rural Electric Cooperative

EASY SLOW COOKER CHICKEN TORTILLA

- 3-4 boneless chicken breasts
- 16 ounces salsa
- 1 can black beans, drained
- 1 can whole kernel corn, drained
- 1 can chunk pineapple, optional
- tortillas, optional
- shredded cheese, optional
- sour cream, optional

Put chicken, salsa, beans, corn and pineapple in slow cooker on low for 8 hours, then shred chicken with two forks. This is good by itself, or on a tortilla shell rolled up with shredded cheese and sour cream toppings.

Cynthia Halbmaier • Albia
Chariton Valley Electric Cooperative, Inc.

FANTASTIC POT ROAST

- 2 2-pound boneless beef chuck roasts
- 1 envelope ranch salad dressing mix
- 1 envelope Italian salad dressing mix
- 1 envelope brown gravy mix
- water
- flour, optional for gravy

Place roasts in a 5-quart slow cooker. Combine dressing mixes and gravy mix in a small bowl. Stir in ½ cup water then pour over meat. Cover and cook on high for 5-6 hours, or on low for 7-8 hours, or until tender. Leftover juices make a good gravy. First, strain and skim fat from the juices. Add 3 tablespoons flour mixed into ½ cup cold water for each cup of juice. Bring gravy to a boil, stirring constantly until thickened. *Serves 12-15*

Elaine Knoblock • Larchwood
Lyon Rural Electric Cooperative

WANTED:

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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.**

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(Attach your recipe as a Word document or PDF to your email message.)

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5 TIPS FOR SAVING ENERGY AND MONEY THIS YEAR

BY MIRANDA BOUTELLE

Welcome in the new year by resolving to save energy and money! You don't need a lot of money to save on your energy bills. There are many low-cost, simple adjustments you can make in your home, whether you rent or own.

We all want to afford being comfortable in our homes. If you're having trouble paying your energy bills, you are not alone. The U.S. Energy Information Administration reports 1 in 3 households face challenges meeting their energy needs.

Decreasing monthly bills and being more efficient at home is something we all should practice. Here are some budget-friendly energy efficiency tips targeting one of the biggest energy users in the home: the heating system. Heating and cooling account for nearly half of a U.S. home's energy consumption.

1 Add coziness to your home

One way you can feel warmer in your home without turning up the thermostat is by making your home cozy.

The way our bodies perceive the temperature of a room is based more on the surfaces in the room than the air temperature. In general, harder surfaces feel colder. For example, your tile floor will feel cooler than your fabric sofa.

Cold floors in a room make us feel colder. Adding an area rug to a hard-surface floor can make us feel warmer, even with the same setting on the thermostat.

The same goes for windows. Windows are typically the least-insulated surface in a room and can feel cold in winter months. Adding or closing curtains can help the room feel warmer.

Hard surfaces feel colder than soft surfaces. Create coziness to add warmth.

1

2 Check your windows

Make sure your windows are closed and locked. Locking windows pulls the sashes tighter together, reducing gaps that allow air to flow through and cause drafts. If your sash locks don't form a tight fit, adjust them or add weatherstripping.

There's a variety of window weatherstripping products available for less than \$20. Most are simple to install and only require tools you most likely already have around the house, such as scissors and a tape measure.

Some are more permanent solutions, and some are intended to be used for one heating season and then removed. Temporary solutions, such as caulk strips, putty, pull-and-peel caulking or window insulation films, can be used if you rent your home and can't make permanent changes.



Make sure your windows are closed and locked to reduce gaps that allow air to flow through and cause drafts.



Weatherstripping around windows is a low-cost, easy-to-install solution to ensure warm air does not escape from your home.



If you can see light around the edges or underneath the door, you are losing energy. Adding weatherstripping is an easy, inexpensive do-it-yourself project.



Close a wood-burning fireplace damper when not in use.



Keep your feet warmer by wearing slippers.



Seal your doors

Weatherstripping doors is an easy do-it-yourself project. Make sure your doors seal tightly and don't allow drafts to pass through around the edges or under the door.

Make sure any doors leading to an unheated space – outside or into a garage – are sealed tightly. If you can see light around the edges or underneath the door, or feel air movement when the door is closed, you know you are losing energy.

Because doors need to open and close easily, expect to do a bit of adjusting after installing weatherstripping. If weatherstripping isn't installed correctly, it can make the door hard to close. Making it too loose defeats the purpose. You need to get it just right.



Close the damper

If you have a fireplace, make sure the damper is completely closed when not using it. Leaving the damper open is like leaving a window open – it's just harder to see. The air you just paid to heat your home will go right out the chimney.

The only exception is some gas fireplaces need to remain open for gas fumes to exit the home. If you have a gas fireplace, check the owner's manual for more information on the damper position.



Layer up

Dressing for the season prevents going overboard on your energy use. It can be tempting to adjust the thermostat to increase your comfort. Putting on a sweater or comfy sweatshirt can have the same comfort impact without increasing your energy use. Slippers can be a big help, too, especially when your feet touch a cold floor.

Miranda Boutelle writes on energy efficiency topics for the National Rural Electric Cooperative Association, the national trade association representing more than 900 local electric cooperatives.

The next time you consider turning up the thermostat a few degrees, try some of these tips first to stay warm and leave increased energy bills out in the cold.

SHINE A LIGHT ON HOME SECURITY

BY PAUL WESSLUND

From street lights to porch lights, studies show that better outdoor lighting reduces crime. But those same reports say that security lighting works best as part of a plan that accounts for what crooks look for.

The basic advice from law enforcement, insurance companies and home security system vendors is not to just flip on the yard light before bed. In fact, you may want to turn it off before turning in because the goal is to make it look like people are home.

Here are six tips to electrify your outdoor lighting technology and increase the security of your home.

1 Think like a burglar. Intruders would rather you not be home, so they watch for signs that people are at work or on vacation. That's why most burglaries happen in the day, and why leaving your lights on all day and night can be an advertisement that no one's home.

Do keep the yard lit while you're up and around to show normal activity. Turning off the porch light at bedtime can be a sign to a potential intruder that someone is in the house. It's also good to pay attention to spots that could cover up a break-in and keep trees and bushes trimmed.

2 Light for the right reasons. Are you trying to light a walkway for guests or keep intruders away from an entrance? Place lights so they achieve your objective. And safety isn't just about reducing crime. A well-lit outdoor space can also prevent trips, falls and other accidents.

3 Enlist technology. Electronic timers and lights that turn on when they sense motion can give the impression that someone's home and can light the sidewalk when you return from an outing. Increasingly, lights and fixtures can be linked to a smartphone so



Photos: Ring

they can be turned on and off while you're out and about.

4 Weigh the pros and cons of a home security system. Security cameras, alarm systems and protection services offer a wide range of conveniences, including fire protection or checking on pets. They can be expensive, so do your research carefully and know your end goals.

5 Protect yourself from internet hackers. Whether it's a security camera or a smart light bulb, internet-connected devices can be hacked by cyber crooks. The basic internet security advice is to have strong passwords and change them regularly, especially on your home's central router. Keep software updated on your devices

and even though it's tempting, don't use social media to tell the world you're on vacation.

6 Go old school. Besides electricity and technology, use people to reduce crime. Invite a police officer to give a safety briefing at a neighborhood meeting. And of all the crime-reducing tips, experts say the best is to get to know your neighbors so they can recognize and report any out-of-the-ordinary activity.

Lighting the path to safety involves making a plan, wise use of technology and a little help from your friends.

Paul Wesslund writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the national trade association representing more than 900 local electric cooperatives.

CHARGE NETWORK EXPANDS TO 49 ELECTRIC COOPERATIVES IN THE MIDWEST

The CHARGE™ brand will extend to western Iowa and southern Illinois with the addition of Iowa generation and transmission (G&T) cooperatives Corn Belt Power Cooperative (Humboldt, Iowa) and Le Mars-based Northwest Iowa Power Cooperative (NIPCO), as well as Egyptian Electric Cooperative Association (EECA) in Murphysboro, Illinois.

In addition, the G&Ts' member cooperatives will utilize the CHARGE brand as they build electric vehicle (EV) awareness among their consumer-members.

“This is an incredible boost for CHARGE both in terms of cooperative participation and the opportunity for collaboration,” says Nate Boettcher, president of CHARGE EV, LLC. “As our affiliations grow, we leverage the needs of each cooperative to benefit all.”

Powered by electric cooperatives

CHARGE is a national EV charging brand powered by electric cooperatives and invests in EV-focused companies. CHARGE cooperatives are part of a growing brand that signals a nationwide cooperation among cooperatives effort (the 7th Cooperative Principle) to help promote and educate members about EVs.

“The number of available electric vehicle models are increasing each quarter. Our CHARGE affiliation will give NIPCO and our member cooperatives extra support and expertise to answer member questions,” says Matt Washburn, NIPCO executive vice president and general manager.

“Being part of a brand that is powered by cooperatives benefits Corn Belt, our members and the consumer-members in our region. There is a great model in place to help facilitate



CHARGE™
POWERED BY CO-OPS



collaboration among cooperatives,” says Kenneth H. Kuyper, Corn Belt Power executive vice president and general manager.

In addition to joining a national EV brand, CHARGE cooperatives benefit from CHARGE affiliations with EV-focused companies, such as ZEF Energy. ZEF manufactures EV charging units that will work with many cooperatives' existing load management programs. The technology allows members to delay charging their vehicle until evening and overnight hours when electricity prices are lower.

CHARGE EV, LLC, was created in 2020 by 31 electric cooperatives throughout Illinois, Iowa, Minnesota and Wisconsin to help promote EV adoption. As electric cooperatives partner with other companies within the EV industry, CHARGE will expand its national charging network throughout rural America. This network will also reveal the hidden gems that are our local communities to EV drivers and their passengers. Electric cooperatives serve more than 42 million people across 48 states.

Learn more at www.charge.coop.

IMPROVE SAFETY WITH SMOKE ALARMS AND CARBON MONOXIDE DETECTOR UPGRADES

BY DERRILL HOLLY

If that old smoke detector – discolored, stained with paint or years of household grime – could send you a message silently, it might say “please replace me.” Those lifesaving warning devices designed to alert us to smoke and fire were never meant to last forever.

Replacing alarms

The National Fire Protection Association and Underwriters Laboratories suggests replacing smoke alarms every 10 years, reports Nicolette Nye, a public affairs specialist with the Consumer Product Safety Commission (CPSC). Both organizations cite sensor degradation rates of 3% per year for their replacement recommendations.

“After 10 years, there would be a potential of a 30% failure rate,” says Nye, who also cited a CPSC recommendation that consumers look for smoke alarms rated of certified by Underwriters Laboratories designated by the symbol “UL” or the Electrical Testing Laboratories, marked with the “ETL” logo.

Both smoke alarms and carbon monoxide detectors are designed with a timeframe or useful lifespan of 10 years, says Shawn Mahoney, a National Fire Protection Association (NFPA) technical services engineer.

“Once they start to reach their end of life, consumers may notice alarm signals – typically a chirping sound that is either a low battery or an indication of the device’s end of life, meaning that it’s time the unit was replaced,” says Mahoney.

Testing and replacing batteries

The NFPA not only recommends that batteries be replaced once a year, but also urges you to test the unit once a month as an added precaution against failure. Chirping, prompted by a drained battery will typically



Photo Source: Scott Van Osdol

stop within seven days and when that happens, the unit stops functioning.

“If you’re just waiting to hear the sound and not testing regularly, there’s a possibility that you’re going to miss it, especially if you have battery-only systems,” Mahoney says.

Investing in safety

According to the CPSC, smoke alarms and carbon monoxide detectors represent good investments in your family’s safety, says Nye.

“Consumers who have working smoke alarms in their homes die in fires at about half the rate of those who do not have alarms,” she says. “Install working carbon monoxide detectors on every level of the home and outside

of sleeping areas. CO detectors are designed to sound the alert before carbon monoxide reaches life-threatening levels.”

Updating for design and building codes

Design improvements are another great reason to consider replacing of older units. Modern smoke detectors use the best features of past popular models, including ionization, photoelectric and lithium-battery technologies.

Many states have upgraded building codes to require hardwired smoke alarms with battery backup power, and carbon monoxide detectors in all new residential construction.

As fire codes have evolved to require smoke alarms near cooking appliances, manufacturers have improved the technology. Mahoney says they can distinguish between an actual fire in the home and cooking fumes, reducing the incidence of nuisance alarms.

Derrill Holly writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the national trade association representing more than 900 local electric cooperatives.



Photo Source: Aji Begum

NEW YEAR'S SLEDDING FAMILY TRADITION

BY VALERIE VAN KOOTEN

For many years, my family hosted a giant sledding party on Jan. 1, weather permitting, of course. The last few years have not lent themselves well to our party, being brown holidays. But every year in December, we start talking about whether this will be the year we can hold it.

The party always takes place in a field with a hill on my parents' farm, about a half mile from our place. For obvious reasons, it's always better if it has been a soybean year opposed to a corn year – thumping over the submerged cornstalks can be a jolting experience.

Adjacent to the hill is a wooded spot protected in the side of a cliff. It is the perfect out-of-the-way place to have a fire. We call it the “cook spot.”

Impromptu party planning

Most of our best parties are spontaneous. The day before, my sister will text and ask if the cook spot has any tables left, or have cows rubbed against them and destroyed the tables. My mom will report on whether a path to the hill has been bladed. I'll chime in with the status of my 30-cup coffee pot and whether it will perk one more year with the gallons of water needed to offer hot chocolate.

We'll put our respective spouses to work taking care of the above. We'll call and text other family members and a few friends to come around 2 p.m. on New Year's Day and to bring some snacks, sleds and lots of warm clothes. As they drift in, they'll bring their food offerings to the makeshift tables (plywood on sawhorses), and we'll drag stumps and logs to the fire to use as chairs.

A memorable ride

My mom usually stays close to the roaring fire, keeping the water hot. Only once was she lured to foray down the hill with two other friends.



They each sat on the edge of a large inner tube and wound their feet around each other to stay in. The older boys gave them a hard push, and they careened down the hill, sliding up the bank at the bottom and tipping over into the creek.

“I tried to get out,” my mom says. “But our legs were too tightly tangled with each other.” The trio emerged with scratches and a slight concussion, but my mom maintains that the greatest indignity was hearing, as they flew down the hill, a kid yelling, “Mom, those old ladies are going to crash!”

One year, in a magical twist, the sun was dropping around 5 p.m. and it

started to snow – big flakes that you'd see in a Hollywood musical. We stood on the edge of the cook spot, watching the last of the silhouetted sledders make their way down the hill and then head to the woods to warm up.

Over the years there have been bruises and a few broken bones. But if we get a white New Year's this year, we'll introduce the tradition to the newest in the family.

Bonus: This year was a bean year.

Valerie Van Kooten is a writer from Pella who loves living in the country and telling its stories. She and her husband Kent have three married sons, two incredibly adorable grandsons and a lovely granddaughter

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