

FARMERS' ELECTRIC COOPERATIVE

NOVEMBER 2023



Co-ops Power the Holidays

New Mexico's rural electric cooperatives spread holiday cheer throughout the year **Page 4**

Sierra Electric Cooperative employees volunteer at holiday events at Elephant Butte State Park. PHOTO COURTESY OF SIERRA ELECTRIC COOPERATIVE



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THE NEW MEXICO RURAL ELECTRIC

COOPERATIVE ASSOCIATION provides legislative and educational services to the cooperatives that are members of the association and deliver electric power to New Mexico's rural areas and small communities. The mission of the New Mexico Rural Electric Cooperative Association is to strengthen, support, unify and represent cooperative member interests at the local, state and national levels. Each cooperative has a representative on the association's board of directors, which controls the editorial content and advertising policy of enchantment through its Publications Committee.

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- 04 Your Electric Co-op
- 06 The enchanted CEO
- 10 Hale to the Stars
- 12 Book Chat
- 14 Co-ops Power the Holidays
- 20 On the Menu
- 22 The Market Place
- 30 Youth Art











enchantment now prints 10 times a year!

The next issue of enchantment arrives in January.



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Congratulations to Paula Chamberlain, a Columbus Electric Cooperative member, who read her enchantment magazine at Mattawamkeag Lake in Island Falls, Maine. She and her husband, Alan, have a summer cottage there.

Paula Chamberlain wins \$20!



3

enchantment.coop NOVEMBER 2023

Farmers' Electric Cooperative



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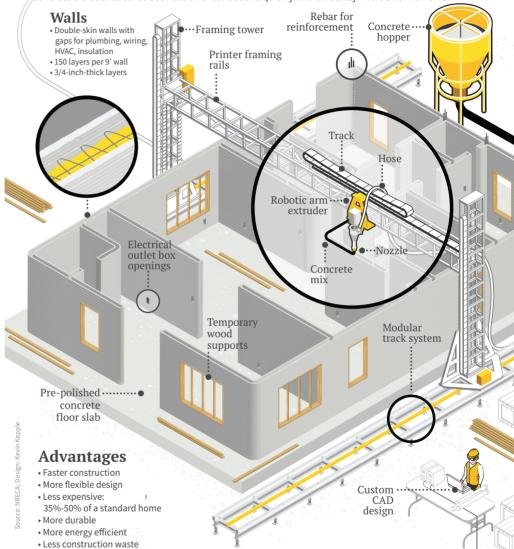
Board Meeting

The Board of Trustees meets at 9 a.m. the fourth Tuesday of the month in the Clovis cooperative boardroom.

This institution is an equal opportunity provider and employer.

3D-Printed Houses

As many electric cooperatives work to increase economic development in their regions and attract new employees, some are finding that a lack of available, affordable housing is becoming a major impediment. Among the solutions they're pursuing is 3D-printed structures, which involves using a robotic arm and a concrete extruder to construct walls and foundations quickly and efficiently. Here's how it works.





Farmers' Electric Co-op offices are closed November 23-24 for the Thanksgiving holiday, December 22 and 25 for Christmas, and January 1 for New Year's Day.

PHOTO III USTRATION BY OBEN

IMPROVE YOUR

FIREPLACE EFFICIENCY

Knowing that you are helping cut utility costs by using a fireplace efficiently might make you feel a little warmer this winter. Using a fireplace for heating a home is nothing new to Americans. Approximately 90% of households in the early 1900s used a fireplace or wood stove as a primary heat source.

However, times have changed, and that number now is less than 2%. But that number has been trending upward the past few years. The increase is due in large part to modern advances in heating appliances along with a heightened interest in eco-friendly solutions—not to mention, some folks enjoy the ambience of a crackling fire.

Fireplaces offset other expensive forms of heat, such as propane, natural gas and electric strip heat. Keep in mind, though, that in many fireplaces, most of the heat from the fire goes up the chimney and out.

Additionally, a fireplace can pull cold air into your home. When a fireplace is not in use and is not well-sealed, it can be an escape route for conditioned air in the winter or summer.

Here are some tips to put your fireplace to work cutting the chill and cutting your heating costs.



One of the best ways to increase fireplace efficiency is to use a fireplace insert.

These advanced wood-burning appliances are built for efficiency with heavy steel and cast iron, which have higher thermal density. Fireplace inserts are placed into an existing masonry fireplace box, which helps retain even more heat. Many models have insulated



Cleaning your fireplace and chimney also improves fireplace efficiency.

Soot buildup in the flue lining can hinder the draft, which can impact how well the fire burns. The heat transfer of your fireplace can be lowered significantly because of a higher-than-normal soot layer.

You can clean your fireplace and chimney yourself, but it is a dirty job. Check your local area to find a licensed, professional chimney sweep.



To get the best results, you need to burn the right wood. What does that mean?

For the most efficient fires, whatever the variety of firewood you burn, it's important it is seasoned—in other words, dried.

A fresh-cut tree is full of moisture and can be frustrating to burn. It could cause



glass doors, which retain heat and give the user a view of the fire. (FYI: You can clean your blackened door glass with a mixture of water, vinegar and ash from your fireplace.)

Heat from the fire is trapped in the box and radiates into your home. Models with small, quiet fans help disperse the heat more evenly and add a level of efficiency.



When the fireplace is not in use, it is important to keep the cold out of your home. One way to do this is by closing your fireplace damper.

When burning a fire, the damper needs to remain open. The damper is a hinged metal plate just above the chimney's throat. It controls the flow of air and smoke through the fireplace and up the chimney.

If you couple this damper with a chimney cap damper, which closes at the top of the chimney, the two greatly reduce the amount of air that can enter or leave the flue, especially conditioned air during the summer. The chimney cap damper should remain open during the winter, when a fire is burning or when one might be burned.

creosote buildup on the inside of your chimney, leading to potential chimney fires.

Seasoned wood is dried for six to nine months, which allows the moisture to dissipate. Seasoned hardwood, such as oak, burns hotter and longer and gives off more heat than softwoods, such as pine.





The enchanted CEOBy Charise Swanson
New Mexico Rural Electric Cooperatives

Celebrating National Co-op Month: The Power of Cooperatives in Rural Communities

October was a month of many hues: the changing leaves, the shorter days, and the onset of cooler nights. It is a special month for us at New Mexico Rural Electric Cooperatives. It was National Co-op Month, a time when we come together to celebrate cooperatives' spirit, values and impact.

With its expansive landscapes and rural heart, New Mexico epitomizes cooperatives' very need and relevance. These organizations stand as a beacon of hope and progress in areas where other corporations may hesitate to venture.

Why are distribution cooperatives so important, especially to rural communities? The answer lies in the seven foundational cooperative principles.

A Brief Look Back

The cooperative movement traces its beginnings to 1844 in Rochdale, England. Charles Howarth and 27 other artisans laid down seven principles, which—like a compass—have ensured that cooperatives around the world stay true to their mission. By 1874, these principles found their way to the United States, introduced by the National Grange, and formally written down by the International Cooperative Alliance in 1937.

The 7 Cooperative Principles

- 1. Open and Voluntary Membership: Cooperatives are voluntary organizations open to all persons able to use their services and willing to accept the responsibilities of membership without gender, social, racial, political or religious discrimination.
- 2. Democratic Member Control: Cooperatives are democratic organizations controlled by their members, who actively participate in setting policies and making decisions. The elected representatives are accountable to the membership. In primary cooperatives, members have equal voting rights (one member, one vote), and cooperatives at other levels are organized democratically.
- **3. Members' Economic Participation:** Members contribute equitably to and democratically control the capital of their cooperative. Part of that capital is usually the common property of the cooperative. Members usually receive limited compensation, if any, on capital subscribed as a condition of membership.
- 4. Autonomy and Independence: Cooperatives are autonomous, self-help organizations controlled by their members. If they enter into agreements with other organizations—including governments—or raise capital from external sources, they do so on terms that ensure democratic control by their members and maintain their cooperative autonomy.
- **5. Education, Training, and Information:** Cooperatives provide education and training for their members, elected



Columbus Electric Co-op lineworkers visited Animas Public Schools, where students tried on gear, climbed poles, loosened a hotline clamp and more.

representatives, managers and employees so they can contribute effectively to the development of their cooperatives. They inform the public, particularly young people and opinion leaders, about the nature and benefits of cooperation.

- **6. Cooperation Among Cooperatives:** Cooperatives serve their members most effectively and strengthen the cooperative movement by working together through local, national, regional and international structures.
- **7. Concern for Community:** While focusing on member needs, cooperatives work for the sustainable development of their communities through policies accepted by their members.

These guiding principles, accompanied by cooperative values of self-help, self-responsibility, democracy, equality, equity and solidarity, are the lifeblood of our NM Electric Cooperatives. They are complemented by the ethical values we uphold: honesty, openness, social responsibility, and caring for others.

As we step into November and the beginning of the holiday season, let us take a moment to reflect on the transformative power of cooperation. In New Mexico and beyond, electric cooperatives light up homes, power dreams and—most importantly—build communities. By understanding and embracing the essence of these seven cooperative principles and values, we ensure that the journey ahead remains bright and the path we tread benefits all. Here's to the cooperative spirit: the heart and soul of our rural communities!

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Kitchen Cooktop Options

By Miranda Boutelle

Q: I'm considering a new stovetop. Can you explain the different options available?

A: I have found that most people who enjoy cooking have strong opinions about their preferred cooking fuel choice: gas or electric. Induction is a newer option for home stovetops, which is growing in popularity.

According to a study by the Electric Power Research Institute, 74% of the energy from an electric range is transferred to food, versus 40% on a gas range. Induction cooktops are the most efficient option at 90% energy transferred to food. For all three, right-sizing pots and pans to the burner is important to avoid wasting energy.

Electric cooktops are a tried-and-true option for many homes. They are typically the most affordable option. Glass top models offer a cleaner look than the traditional coil elements and are easier to clean but tend to be a bit more expensive. The most common complaint about electric cooking is that the heating controls are not as fast or precise.

Many home chefs prefer gas stovetops because you can see the size of the flame, a visual clue that helps you control your cooking temperature. Temperature adjustments are also faster and more precise than on electric stovetops. There are some concerns with safety and indoor air quality associated with gas stoves because gas emissions can be harmful to your health. To help reduce indoor air pollution, always use your exhaust fan when using your gas stovetop. Ideally, your exhaust fan should be vented to the exterior of the home.

Access is also a consideration. Natural gas is typically available in more populated areas, while rural customers might need a propane storage tank installed outside their homes to have a gas stove.

An induction stovetop can offer a higher-end cooking experience than a standard electric stovetop. Some people prefer it to cooking on gas.

Induction stovetops use electromagnetic energy to heat the pan, reducing energy waste. Instead of heating the stove's surface, they heat the pans themselves. Because the pans heat directly, you don't have to wait for the heat to transfer like you do with gas and electric stovetops, resulting in faster cooking times. They also allow for more precise temperature control, which can deliver better results.

Cool burners offer additional safety benefits. You don't have the indoor air quality issues associated with gas, and they won't ignite



Induction stovetops use electromagnetic energy to heat the pan, reducing energy waste. PHOTO BY ELA HANEY/PEXELS

items such as dishrags or paper left on the stovetop.

Induction cooktops are typically more expensive than similar gas or electric models. They also require you to use specific cookware. Stainless steel and cast-iron cookware are both compatible with induction cooktops. Do the magnet test if you want to test your pots and pans to see if they are induction compatible. If a magnet sticks to the bottom of the pan, it will work on an induction stove.

Cooking on induction can take a little time to get used to, but many people have made the switch and enjoy the experience.

If you are remodeling and have a gas range, consider running electrical connections to support an induction cooktop in case you change your mind in the future. Setting up the power supply during a remodel can offer significant savings.

If you are considering making the switch, keep an eye on any incentives for your state or region. A rebate for replacing your gas stove with an electric one may be available under the Inflation Reduction Act, depending on your state and income level.



Miranda Boutelle has more than 20 years of experience helping people save energy. She has worked on energy-efficiency projects from the Midwest to the West Coast. Today, Miranda is chief operating officer at Efficiency Services Group in Oregon, a cooperatively owned energy-efficiency company.

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The Andromeda Deep Field, photographed by the Hubble Space Telescope in early 2003. COURTESY TOM BROWN (SPACE TELESCOPE SCIENCE INSTITUTE), NASA AND ESA.

Planets Passing Through the Night

Our solar system's two largest worlds inhabit evening skies during the closing months of 2023. During November, Saturn is high in the south as darkness falls. It gradually sinks lower to the horizon, and by the end of the year will set during the mid-evening hours.

Jupiter, meanwhile, is at opposition—directly opposite the sun in the sky—on November 2. It will shine brilliantly throughout most of the night, although by year's end it will set in the west by mid-morning.

A third planet, Mercury, makes a brief appearance in our evening sky in early December, but even at its best will be low in the west during dusk.

Venus gleams brilliantly in our eastern skies throughout these final months of the year, rising up to two hours before the beginning of dawn for most of this time. By year's end, Venus starts to move over onto the far side of the sun and gradually begins sinking lower in the east. It remains visible for the first few months of 2024 before disappearing into the dawn.

The Geminid meteor shower reaches its peak on December 14 and 15. The Geminids are one of the strongest of the annual meteor showers, and under good conditions can produce up to 100 or more meteors per hour. Since we will be just past the new moon for this year's shower, the conditions should be quite favorable for a good display.

It is conceivable that there could be a strong meteor shower coming from the constellation Andromeda on December 2. However, this is only about five days after the full moon so moonlight would probably interfere with viewing any shower that does occur.

During this time of year, the Milky Way—the combined light of multitudes of distant stars in the plane of our galaxy—arches high in our northern sky through the constellations of Cassiopeia and Perseus and then drops southward in our eastern sky through the constellations of Auriga and Gemini, north and east of the prominent constellation Orion. Along this part of the Milky Way, we are looking out, away from the center of our galaxy. Thus these regions aren't as prominent as the Milky Way regions we see during the summer.

Also in this part of the sky is the large galaxy in the constellation Andromeda

(cataloged under the designation M31). It can be pretty easily seen with the unaided eye from relatively dark sites. M31 is the closest "large" galaxy to our own, at a distance of 2.5 million light-years, and in a few billion years' time will merge with our own.

Enchanted Journeys

November 4

Edgewood Lions Club 16th Annual Holiday Craft Show

About 50 artists and crafters come together at Edgewood Middle School.

The event runs from 9 a.m. through 3 p.m., A donation of a jar of peanut butter for local food pantries is requested.

For more information, call Debbie Bryan at 505-922-5782.

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The So Lite® Scooter is easy to transport and almost impossible to tip over.

Like millions of older Americans, I struggle with mobility. For years, I watched my quality of life slip away, as I was forced to stay home while friends and family took part in activities I'd once enjoyed. I thought I'd made some progress when I got a mobility scooter, but then I realized how hard it was to transport. Taking it apart and putting it back together was like doing a jigsaw puzzle. Once I had it disassembled, I had to try to put all of the pieces in the trunk of a car, go to wherever I was going, and repeat the process in reverse. Travel scooters were easier to transport, but they were uncomfortable and scary to drive, I always felt like I was ready to tip over. Then I found the So Lite® Scooter. Now there's nothing that can hold me back.

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- Folds and locks in seconds
- Easier to operate

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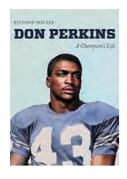
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Don Perkins: A Champion's Life

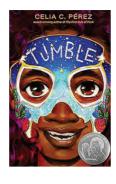
Richard Melzer—distinguished author and regents professor emeritus of history at the University of New Mexico's

Valencia Campus—offers an intimate and comprehensive exploration of the life of Don Perkins. Don was an iconic athlete who left an indelible mark on both the University of New Mexico and the Dallas Cowboys.

Richard delves into the complexities of Don's life—the racial discrimination, personal loss and injuries sustained during his football career—as well as his many triumphant moments in sportscasting, public speaking and even amateur theater.

Despite his extraordinary life, Don remained a humble and beloved figure. Richard delivers a fitting posthumous tribute to this remarkable individual.

By Richard Melzer
University of New Mexico Press
Available at Amazon.com



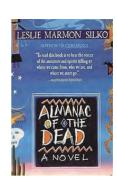
Tumble

This captivating young adult novel follows the journey of Adela Ramírez, a 12-year-old girl living in New Mexico with her mom. Adela faces a life-altering decision when

her stepfather, Alex, seeks to adopt her, leading her to grapple with her feelings about her biological father giving up his parental rights.

As Adela embarks on a quest to uncover her father's identity and the reasons behind his disappearance, readers go headlong into a heartwarming and adventurous journey filled with mystery, family dynamics and personal growth. The book was picked as New Mexico's Great Read in the children's category in the Library of Congress's 2023 National Book Festival.

By Celia C. Pérez Kokila Available at Barnes & Noble



Almanac of the Dead

Leslie Marmon Silko's iconic "Almanac of the Dead" is both sweeping and monumental as it traverses time and cultures, weaving a complex tapestry of

characters and narratives.

At its heart is the enigmatic Seese, a survivor of the volatile world of drug dealing. Seese embarks on a journey back to the Southwest in search of her missing child. Along her path, she encounters Lecha, a renowned psychic burdened by the consequences of her fame in her duty is to transcribe the ancient Native American Almanac of the Dead, a painful record of her people's history.

Leslie's work is a grand exploration of the clash between Native American traditions and contemporary society, spanning five centuries and encompassing themes of resistance, identity and the endurance of cultural heritage. With a MacArthur Fellowship supporting her, Leslie experimented with unconventional characterization, infusing her novel with many original and colorful characters.

Her approach breathes life into the historical narrative, creating a story that feels alive and bound by a different sense of time and history. The work is an enduring testament to her position as a significant contemporary Native American writer.

By Leslie Marmon Silko Penguin Books Available at Amazon.com

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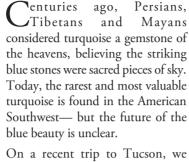
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On a recent trip to Tucson, we spoke with fourth generation turquoise traders who explained that less than five percent of turquoise mined worldwide can be set into jewelry and only about twenty mines in the Southwest supply gem-quality turquoise. Once a thriving industry, many Southwest mines have run dry and are now closed.

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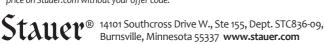
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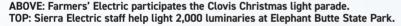




^{**}Complete set includes pendant, chain and earrings.









Co-ops Power the Holidays

New Mexico's rural electric cooperatives spread holiday cheer throughout the year

Story by Dixie Boyle

The holiday season in New Mexico is a festive time of sharing the seasonal traditions—lighting luminaries, Christmas caroling, making biscochitos and posole, stringing Christmas lights and eating turkey with family and friends. The season is also a time of giving and sharing with those less fortunate.

New Mexico's Rural Electrical Cooperatives, generally known for supplying electricity and fixing power outages, also help with community events during the holiday season. It donates to food banks, families in need, Toys for Tots, veteran programs and food and clothing drives. They also participate in community events like Christmas light parades.

Sierra Electric Co-op staff and members spend endless hours helping to light more than 3,000 luminaries each holiday season at Elephant Butte State Park on the second Saturday in December. Luminaries line paths on the beach leading to campsites where people congregate to enjoy the lights while partaking in posole, cocoa, cookies and holiday greetings. All donations received at the event go to the Make-A-Wish Foundation.

Employees of Roosevelt Electric Cooperative in Portales donate money out of their pockets each year to a family in need identified by the local school system. The employees purchase food, clothing and presents so the family can enjoy the holiday season.

Most co-ops participate in community annual Christmas light parades by decorating their bucket trucks and company vehicles with colorful displays.

Farmers' Electric Co-op in Clovis has gone all-out for the annual light parade for more than 30 years. They participate in the

14 NOVEMBER 2023 enchantment.coop





Christmas Light Parade every year, which they have won at least 20 times. The co-op enjoys friendly competition with other community businesses.

Not only do electric cooperatives donate time to community events throughout the year, they also sponsor many events. They sponsor education foundation scholarships and contribute to the Government-in-Action Youth Tour, allowing high school students to visit Washington, D.C. New Mexico co-ops also sponsor a yearly safety coloring contest, career fairs and student internship programs. Northern Rio Arriba Electric Co-op, in Chama, hosts an annual golf tournament to raise scholarship money for local high school students.

Cooperatives also provide aid to one another in times of need. Northern Rio Arriba Electric was a drop-off point for food, clothing and supplies for those impacted by of the Calf Canyon/ Hermits Peak Fire.

Trunk-or-treat tailgating parties have become a popular trend. Many of the state's rural electric companies open their parking lots to children, providing a safe location for them to receive





Halloween candy. These events offer another way for electric cooperatives to connect with their communities.

A full agenda of holiday events is planned throughout New Mexico this holiday season. The small town of Madrid lights up the town during the holidays, as does Ruidoso's Festival of Lights Parade. Tularosa had one of the first luminaria tours in the state, and the event continues to grow, as does Taos' Yuletide festivities and Gallup's annual light parade.

From Albuquerque's historic Old Town & Country Club Luminaria Tour to Carlsbad's Christmas on the Pecos, the holidays in New Mexico are a magical time for sharing holiday traditions with family and friends.

enchantment.coop NOVEMBER 2023 15

Change Your Clocks; Change Your Batteries

The first Sunday in November— November 5 this year—marks the end of daylight saving time, when we set our clocks back one hour. It is also a great day to change the batteries in smoke detectors and carbon monoxide detectors—even if the batteries are not dead.

If you do not have smoke detectors and carbon monoxide detectors, your family is at risk. The detectors loudly warn you if smoke or gas is present in your home so you can get out.

Carbon monoxide is a clear, odorless

gas that is deadly but hard to detect. If you don't have a detector, it is unlikely you will know if your home has a CO leak.

Carbon monoxide does not come just from cars. Gas furnaces or stoves are also potential sources.

The U.S. Environmental Protection Agency offers these tips:

- Properly adjust gas appliances.
- Use electric space heaters, not gas space heaters.

- Install an exhaust fan, vented to the outdoors, above a gas stove.
- Open flues when wood-burning fireplaces are in use.
- Choose properly sized woodstoves with tight-fitting doors certified to meet EPA emission standards.
- Every year, have a trained professional inspect, clean and tune up your central heating system, including furnaces, flues and chimneys. Repair leaks promptly.
- Do not idle your car inside the garage.



See the Forest Through the Trees

Mighty Conifer Knife at an Impossible Price!



"Outstanding knife of high quality and a great price. I now have a number of your great cutlery in my growing collection!"

- Robert F., Richardson, TX

When we know you. You're not interested in everyday, run-of-the-mill, common cutlery. You want something with a story, a unique feature that you can brag about. We've got just the thing for you. Our *Mighty Conifer Knife* is a unique tool with a Damascus steel blade and a handle crafted from an enhanced and stabilized natural pinecone. While our competitors are charging hundreds for similar knives, we're offering the Mighty Conifer for JUST \$99! That's what we call our **Stauer Impossible Price.**

JOIN MORE THAN 389,000 SHARP PEOPLE WHO COLLECT STAUER KNIVES

Each pinecone — and therefore, each knife — has its own unique characteristics. And the back of the handle features hand tooling, a further demonstration of each piece's individual nature.

The blade is nothing to scoff at either. Constructed of Damascus steel, a modern reworking of the legendary steel forged by ancient swordsmiths, this nearly 5-inch blade features 256 layers of steel that have been folded on top of each other to increase its durability. Our competitors are charging hundreds for boring, run-of-the-mill knives with no features worth bragging about. We're asking **JUST \$99** for a knife unlike any you've seen before!

With its full-tang construction and high-quality genuine leather sheath, the Mighty Conifer Knife is the perfect blade for the person

who wants to stand out. CALL NOW! If you're one of the first 700 587 callers for this ad, we'll throw in a pair of Stauer 8x21 Compact Binoculars — a \$99 value — ABSOLUTELY FREE! Satisfaction guaranteed or your money back!

Knife Specifications:

- 9 ½" overall length. Full-tang construction
- Damascus steel blade and natural pinecone handle

before purchasing this product.

• Genuine leather sheath

Mighty Conifer Knife \$299 \$99* + S&P Save \$200

*You must use Insider Offer Code: MCK124-01 to get this price.
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1-800-333-2045

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Knife

Stauer, 14101 Southcross Drive W., Ste 155, Dept. MCK124-01, Burnsville, MN 55337 www.stauer.com

Power Pole Clutter

Flyers, satellite dishes, posters, basketball hoops, decorative lights, even hunting stands. You name it, someone has tried to staple, nail or tie it to a power pole. Here's a quick look at the dangers and pitfalls associated with unauthorized pole attachments.

Illegal

Many state and local laws and the National Electrical Safety Code prohibit any unauthorized items on poles. Utilities can face fines if these attachments aren't removed.



Pole Damage

Even small holes can allow moisture and insects past the pole sealant, which can shorten the life of the pole or weaken it and cause it to fall in a storm.



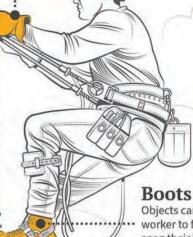
Hinders Repairs

Posters and flyers can hide identifying markers on poles and slow repair work.



Gloves

Staples, tacks and nails can puncture a lineworker's insulated rubber gloves and expose them to electric shock.



Objects can cause a worker to fall if they snag their boots.

Climbing Hooks

Nails and tacks can impede climbing hooks from sinking into the wood.



Dangerous

A person who gets too close to energized lines while attaching an object can be electrocuted.



Distraction

Some materials posted on poles, like mirrors or holiday decorations, can be a distraction to drivers.







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The Ideal Gift

- 4 Bacon-Wrapped Filet Mignons (5 oz.)
- 4 Air-Chilled Boneless Chicken Breasts (4 oz.)
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Savings shown over aggregated single item base price. Photos exemplary of product advertised. Limit 2. 8 free 4 oz. burgers will be sent to each shipping address that includes 74086. Standard S&H added per address. While supplies last. Items may be substituted due to inventory limitations. All products, prices, and sales are subject to Omaha Steaks, Inc. Terms of Use: OmahaSteaks.com/terms-of-use. Expires 01/31/24. | SRC0715

Holiday-Inspired Treats

Each holiday season is an opportunity for chefs of all ages to shine as family meals and gifts are lovingly prepared.

Stumped with what to bring as a side dish to celebrations? Try our green beans and squash as an alternative to customary green bean dishes. It's easy to prepare, and studies show green beans benefit heart health as well as vision. Squash is high in antioxidants and rich in calcium.

Wondering what to do with all that leftover turkey? Our BBQ sweet and tangy turkey sliders pack in a little spice as well as a delightfully different taste after Thanksgiving fare.

We didn't forget enchantment magazine's fifth annual Gifts-From-The-Kitchen recipe offerings with hearty pumpkin bread with maple cream cheese glaze. Pumpkin bread is a staple at holiday gatherings and is wonderful as a gift in prepared canning jars. Happiest of holidays!



Sue Hutchison was born and raised a block from the freeway in Southern California. She had an early start with industrial, largescale cooking before age 20. She's always been both a beach bum and at home in the kitchen, where she enjoys making new creations.

BBQ Sweet & Tangy Turkey Sliders

- 1 package sweet Hawaiian dinner rolls
- 3 cups cooked, shredded turkey
- 1 tablespoon chili powder
- 1 teaspoon paprika
- 1 yellow onion, sliced thin
- 2 cloves garlic, minced
- 1½ cups applesauce
- 1 cup apple juice
- 1/2 teaspoon dried thyme
- 1 cup prepared barbecue
- 1 cup grated cheddar cheese
- 1 cup grated mozzarella

Spray the crock of a slow cooker with cooking spray. Place turkey, spices, onion, garlic in crock and gently stir to incorporate.

Pour applesauce and apple juice on top and gently stir. Add barbecue sauce on top of the turkey mixture.

Cover crock and set slow cooker to low. Cook 3-4 hours. To serve, split dinner rolls and layer cheddar cheese, turkey mixture and mozzarella cheese on each. Serve warm.



Green Beans and Squash

- 2 tablespoons butter
- 1 20-ounce bag frozen green beans
- 1 10-ounce bag frozen squash, or 1 large fresh yellow squash, sliced thin
- 1 medium red shallot, wedge-sliced
- 1 teaspoon dried basil ½ teaspoon dill seed
- 1/2 teaspoon salt
- ½ teaspoon pepper

In a heavy skillet, melt butter. Add squash and cook until soft. Add green beans, shallot, basil, dill seed, salt and pepper. Stir to incorporate.

Cook until beans are softened and fragrant. Serve warm.



Pumpkin Bread with Maple Cream Cheese Glaze

Bread

- 3½ cups flour
- 1 teaspoon salt
- 2 teaspoons baking soda
- 1 teaspoon baking powder
- 2 tablespoons pumpkin pie spice mix
- ½ cup water
- 21/2 cups sugar
- ⅔ cup vegetable oil
- 4 eggs, slightly beaten
- 2 cups canned pumpkin

- 1 cup chopped walnuts, if desired
- Prepared whipped topping, if desired
- Glaze
- 3 ounces cream cheese, softened
- 1 teaspoon maple flavoring
- ½ teaspoon vanilla extract
- 2 cups powdered sugar
- 3 tablespoons heavy cream

Preheat oven to 350 F.

Prepare two loaf pans with baking spray and dust with flour.

In a large bowl, stir flour, salt, baking soda, baking powder and pumpkin pie spice mix until mixed.

In a smaller bowl, mix water, sugar, vegetable oil, eggs and pumpkin with whip. Mix until smooth.

In two additions, mix pumpkin mix into flour mix, using whip until well incorporated.

Stir in walnuts and divide batter into prepared loaf pans. Bake for 50-60 minutes or until bread is risen and a toothpick comes out clean.

While the bread is baking, prepare glaze. Using a hand mixer, blend cream cheese until smooth. Add maple and vanilla flavoring.

Slowly mix in powdered sugar until smooth. Add enough cream to make the glaze pourable.

Remove baked bread and cool on wire rack for 10 minutes before inverting and removing the loaves from their pans. Slice, add glaze and serve warm. Dust with nutmeg, if desired.

To create gifts: Crumble one slice pumpkin bread into the bottom of a wide-mouthed canning jar, drizzle glaze and layer with whipped topping. Create two layers, affix lid and add desired décor.





Animals

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CHICKENS FOR SALE in Portales, NM, three to four month old black, red and white pullets. Also, bantam chickens. \$8. to \$10. each. Call Smokey Ball at 575-749-3471.

CURRENTLY AVAILABLE: CLUB CALF PROSPECTS, REPLACEMENT HEIFER CALVES OUT OF REGISTERED BLACK ANGUS HERD. Also available, 1/2 or whole butcher beef. Offered by - A Lazy 6 Angus. Call 575-421-1809 for more information.

AKC FRENCH BULLDOG PUPPIES FOR

SALE. Born September 14, 2023, located in Thoreau, NM. Call Margaret at 770-329-0437 or email maggiemay223@yahoo.com for more information.

WE ARE OFFERING ONE OF OUR FEMALE SIBERIAN HUSKY PUPS FOR \$650. We also have Standard Poodle pups for sale at \$1,000. to \$1,200. Located near Datil, NM. Call 361-648-3252 for more information.

THE MARKET PLACE

GOOD RAMBOUILLET BREEDING RAMS

- breed for fine wools and big lambs. Range raised. Treated with dewormer and tick free. Well fed and in good shape for your herd or flock. Located in Taos county. Call 575-770-2881 or 575-779-7315 for more information.

AKC REGISTERD AUSTRALIAN SHEPARD PUPPIES FOR SALE - three tri males, one merle male and one merle female.
Call Lorenzo at 575-914-0200 for more information.

Business

SUNSET SADDLES OFFERS CUSTOM

LEATHERWORK; ie: saddles, chaps, chinks, holsters, belts, etc. Also saddle and tack repair. Located in La Luz, NM. Call 575-257-8874 or email: sunsetsaddles@yahoo.com

Equipment

GREAT OFFER ON SOLAR SUBMERSIBLE SHALLOW/DEEP WELL PUMPS! NRCS

approved with two-year warranty on selected pumps with affordable, easy installation! For a custom quote, call 505-429-3093 or email us at solarwellpumpsonline@gmail.com, 24/7 service. Order online at our website: www.solarwellpumpsonline.com

DRINKING WATER STORAGE TANKS,

heavy-duty black poly, proven algae resistant. 125 to 11,000 gallons, NRCS and EQUIP approved. Please give us a chance to serve you! MasterCard or Visa accepted. Call 575-682-2308 or 1-800-603-8272.

FISHING TACKLE WANTED: "Antique" lures, reels, rods, tackle boxes. Pre-1950, please. Collector paying highest prices for "Grandpaw's" tackle box. Lures \$50 to \$5,000 each. Reels \$100 to \$7,500 each. Send photos to: tacklechaser@aol.com or call Rick at 575-354-0365.

OVERHEAD FEED BINS. 1 to 4 compartment, 12 to 48 tons. Any size free standing cattle guards, no footing needed. Dealer for T & S Feeders. Emery Welding, Clayton, New Mexico. Call 575-374-2320 or 575-207-7402. Email: eweld98@yahoo.com

SELLING 50K BTU PROPANE DUAL WALL

HEATER, located in Torreon, NM. Used sparingly due to renters opting to burn wood in our wood stove. Nice working condition. New dual wall heaters sell for \$1,200. to \$1,700. We are asking \$350.! Call 505-269-9115 for more information.

BODY SHOP TOOLS - small frame machine, good for pulling fender rails and radiator core supports. Also have dent pullers, grinders, impact tools and more. See our ads under "Vehicles" for engines and projects. Leave message at 505-753-4271.

ITEMS FOR SALE - 4" x 20" type L copper, \$900.; 3" x 20" type L copper (copper weathered but new), \$600.; 20" cutting torch, \$150.; approx. 30 ft. 1/4" soft copper, \$480. and approx. 20 ft. 1" soft copper, \$274. Call 575-447-2958 or 575-483-5956 for more information.

FOR SALE - DIAMOND PLASTIC 6", 80 PSI, PLASTIC IRRIGATION PIPE, 924 feet at \$3.25 per foot. NRCS EQIP approved. Call 575-613-0976 for more information.

Great Finds

BUYING OLD STUFF: Gas pumps and parts 1960's or earlier, advertising signs, neon clocks, old car parts in original boxes, motor oil cans, license plate collections, Route 66 items, old metal road signs, odd and weird stuff. Fair prices paid. Have pickup, will travel. Gas Guy in Embudo, 505-852-2995.

RAILROAD ITEMS WANTED: Kerosene lanterns, brass locks, keys, badges, uniforms, bells, whistles, and pre-1950 employee timetables. Always seeking items from any early New Mexico railroad, especially D&RG, C&S, EP&NE, EP&SW, AT&SF, SP or Rock Island. Call Randy Dunson at 575-760-3341 or 575-356-6919.

WANTED: NEW MEXICO MOTORCYCLE LICENSE PLATES 1912-1970. Paying \$100-\$500 each. Also buying some NM car plates 1900-1923. Visit NMplates.com for history and 5,000 photographs of NM plates. Bill Johnston, Box 1, Organ, NM 88052-0001. Email: Bill@NMplates.com or telephone 575-382-7804.

HEADSTONES (I.E. CEMETERY MONUMENTS) is our business. Over 1,000 designs. An eternal memory of a loved one. TAOS MOUNTAIN HERITAGE.

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OLD SCHOOL SIGN PAINTER, hand lettered signage, windows, walls, vehicles, wood, metal or plastic. For more information, call A. Sanchez at 505-498-7743.

TIMELESS TREASURES AND CURIOSITIES,

offers antiques, furniture, collectibles, architectural salvage, quilts, jewelry and more. Located in Pojoaque, NM at 18063 US 285. Call us at 505-660-9509 or visit our website at www.timelesstreasuresnm.com

black and burgundy. Made by Miller Carriage Company. Wheels and other parts made by Amish craftsmen. Quality made. Asking \$4,000. Call 505-384-4027 for pictures or more information.

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APPROX. 6,000 3" x 4" x 8" 3-HOLE BRICK.

like new. All or part available. You load and haul. Call or text 505-553-1002 for more information.

PRIME RIB FOR THE HOLIDAYS! Enjoy wholesome, quality, economical grass finished beef in your freezer all year long. Cut and processed to your specifications. Halves or wholes available. Call Robin at 575-420-5868 for more information.

BOOKS FOR SALE - Authentically, Uniquely You by Joyce Meyer, \$10.; The Power of I AM by Joel Osteen, \$9.; Destined to Reign by Joseph Prince, \$6.; Walking in Grace 2022 Daily Devotions to Draw You Closer to God, \$5. Call 505-289-9686 for more information.

FOR SALE - 2002 F-350 Power Stroke, cab/ chassis, steel bed, gin poles, two 4,000 lb. electric winches, tool boxes, one owner. 1981 F-350 cab/chassis, steel welding bed, PTO winch, gin poles. 1979 SA 200 Lincoln welder, approximately 400' leads, big Victor torch, gauges, hoses, one owner. Call 575-403-8444 for more information.

FISHING TACKLE WANTED: "Antique" lures, reels, rods, tackle boxes. Pre-1950, please. Collector paying highest prices for "Grandpaw's" tackle box. Lures \$50 to \$5,000 each. Reels \$100 to \$7,500 each. Send photos to: tacklechaser@aol.com or call Rick at 575-354-0365.

Real Estate

CONCHAS, 00001 (SOLD) AND 00002 RIDGE DRIVE (SOLD). Two to case with two lots per each process with tas a per mittee. Let that has never because the friend and co-op water nearby. \$25, 40. per tract. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461, www.bigmesarealty.com

DATIL, 0000 2 HERRINGTON CANYON ROAD, 40 acres vacant land, \$24,000. 0000 3 HERRINGTON CANYON ROAD, \$24,000. Hiking, hunting and off grid living potential. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

PIE TOWN, SOUTH OF WILD HORSE SUBDIVISION, 0000 1 GOAT RANCH ROAD, 20 acres, \$12,000. and 0000 2 GOAT RANCH ROAD, 40 acres, \$24,000. Vacant land with hiking, hunting and off grid living potential. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

CANADIAN RIVER - WEST OF UTE LAKE, EAST OF QUAY ROAD AI, six 40 acre (more or less) parcels available (LOT 9J, SOLD) with lake and mesalands views. One of the lots is west of Quay Road Al fronting Ute Lake. Call for appointment to show and pricing. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

DATIL, COYOTE TRAIL, BLUEBIRD ROAD AND SUGARLOAF TRAIL, SUGARLOAF MOUNTAIN SUBDIVISION. (SOLD, Lots 241, 268, 269, 273, 270). Choice of three remaining lots just over five acres each. \$14,500. per lot. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

DATIL, 0000 CRISWELL ROAD, FOREST ROAD 6A (East of Criswell Road, 40 acres) \$24,000. and 0000 RED FEATHER TANK ROAD, SOLD (off Criswell Road, property east of Red Feather Tank Road, 41.20 acres) \$25,800. Vacant land with hunting, hiking and off grid living potential. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

TUCUMCARI, 1120 S. SARATOGA, just over one acre along US 54 (Mountain Road). \$20,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

SANTA ROSA, 0000 WILL ROGERS DRIVE,

26 acres close to I-40 and old Route 66. Commercial potential. \$399,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

SAN ANTONIO/SAN MARCIAL, 27 WINCHESTER ROAD, LOTS 27 AND 27A, WILLOW SPRINGS RANCH SUBDIVISION,

702.8 acres in the foothills of the Chupadera Mountains with beautiful Southwestern style home, well, electricity. Close to I-25. \$1,249,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

DATIL, 31 OLD HIGHWAY 60, 2-bedroom, 1-bath home on 1/2 acre. Potential for rental/hunting cabin. \$47,800. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

MILAGRO, 0000 PECOS SPUR, PORTRILLO CREEK RANCH SUBDIVISION, 164 acres.

Wide open space for livestock and/or home site. Close to I-40. \$84,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

SANTA ROSA, 1070 BAR Y ROAD, HOLLYWOOD RANCH SUBDIVISION.

Three parcels (18, 19, 20) totaling just over 41 acres. Perimeter fencing and road. Water and electricity, \$125,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

CONCHAS, 631 CONCHAS DRIVE, PRICE REDUCED, MOTIVATED SELLER! 3-bed-

room, 2-bath home with detached garage and 30×40 boat storage. All electric. \$180,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

THINKING OF BUYING OR SELLING IN DEMING? Call Heather Wood at Lamplight Realty, LLC 575-936-4100 or cell 575-494-6331, e-mail heather@lamplightrealty.com or visit the website at www.lamplightrealty.com

GLADSTONE, 4386 SPRINGER HIGHWAY (US 56-412), 3-bedroom, 2-bath home with 36 x 45 barn and two open livestock sheds/lean-tos. Two wells (one is solar). \$270,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

TUCUMCARI, 10445 STATE ROAD 104, 10.53 acres (total of two tracts) **PRICE REDUCED** - one with septic and well. Close to electricity and community water. \$60,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

NEWKIRK, 0000 OLD CABIN ROAD, TRACT 9, BULL CANYON RANCHES DEVELOPMENT, PRICE REDUCED, 140 acres

with scenic views of the Llano Estacado escarpment and surrounding mesalands. \$90,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

CURRY, ROOSEVELT, QUAY, HARDING, UNION, LEA AND CHAVES COUNTIES.

Seeking large acreage working farm and ranch listings. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

CLOVIS, 809 S. PRINCE, 4.98 acres along US 70 south of Brady Street. Commercial potential. \$150,000. Big Mesa Realty, 575-456-2000, Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

WATER DOWSING AND CONSULTING, PROVEN SUCCESS! 47 years of experience in Lincoln County. Will travel. Call Elliot Topper at 575-937-2722 for more information.

MOUNTAINAIR, 0000 CLIFFORD TRAIL ROAD (CR BO22), 132 acres, fenced, view of Manzano Mountains. \$105,000. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

CUERVO, 0000 1 AND 2 MESITA PASS ROAD, MESITA RANCH SUBDIVISION, TRACT 9, SOLD (143.36 acres, \$6.0.0.) and TRACT 10 SOLD (140.02 ctres, \$3.00.0). Opportupit for form it corresponde. Big Mesa Rec. 9, 575.056. Obtained Stout, broker, NMREL 1784 ctres. 575.06-5461. www.bigmesarealty.com

TUCUMCARI, 0000 QUAY ROAD, 63.4, two one acre lots sold together, \$12,500. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www.bigmesarealty.com

TEXICO, 2436 STATE ROAD 108, 7.2 acres with two story home and three car detached garage. Carpet and flooring upgrades. \$210,000. Big Mesa Realty, 575-456-2000. Paul Stout, broker, NMREL 17843, 575-760-5461. www. bigmesarealty.com

HISTORIC HOME/BUSINESS IN LINCOLN,

NM, 5-bedroom, 2-bath home totally renovated, 3,450 sq. ft. Prior to Covid was operated as a small restaurant, gift shop and B&B. Turnkey operation. 2.56 acres with water rights. Contact Lincoln County Realty at 575-808-0607 for more information.

ONE OF A KIND!!! This manufactured home has a great spacious floor plan, on 1.6 acres with many very large shade trees, a shop and is fenced for your pets or animals. Tape and texture walls and decorative cabinet accents in the entry and hallway set this home apart. City water and natural gas connected, septic tank. There is also a solid fiberglass green house!! Located at 101 Salado Road in Capitan, NM. Call Rye for your showing at 575-430-0777 or the office at 575-258-8656.

www.ziarealestate.com

OLD RAMAH POST OFFICE FOR SALE OR

RENT. Heart of Indian country. Main street location. Beams, plank floors and wrap around old style portal. On demand hot water heater, gas heat. Well and city water. Used as a trading post, real estate office, food market. Perfect for art gallery or coffee shop. Insulated shipping container on included adjacent lot. \$195,000. or make offer. Call 505-470-0450 for more information.

CHAMA, COMMERCIAL ZONED, US 64/84

FRONTAGE. Custom Swedish Cope full log home, 2,680 sq. ft. on 1.46 acres. Retail/ office with live/work possibilities. Excellent access. \$539,500. Call 505-249-4415 for more information.

CHAMA COMMERCIAL PROPERTY FOR

SALE. Two adjoining commercial lots with excellent highway frontage for sale. Located in the center of town. All utilities available. Will sell separately or together as one parcel. Call 505-300-6148 for more information.

LINCOLN, NM - RIVER RUNS BY PROPERTY.

beautiful Ram Earth Built home on 4.5 acres surrounded by beautiful views. 3-bedroom, 2-bath, large garage and carport. Wildlife enjoys visits to pond on property. Grazing potential, acequia water rights. For price, pictures and appointment text 575-937-1469.

COMMERCIAL PROPERTY ON HWY 54 IN LOGAN, NM, 112' X 130' lot with a 1,711 sq. ft. stuccoed block building that has a 600 sq. ft. office area. Currently being used as an apartment. Balance of building is a 2-bay workshop with a vehicle lift. There is also a 27' x 30' x 11.6' carport. \$189,000. Please call 575-403-9177 for more information and pictures.

Vehicles

FOR SALE - '64 CHEVY TRUCK, new tires, rebuilt engine and transmission. Needs assembly. All original body parts available. \$4,000. ALSO, 2021 FORD F-150 LARIAT, 21,000 miles, fully loaded. \$48,000. Call 505-788-2311 for more information.

1997 FORD EXPLORER. Located in the Moriarty area. \$2,500. Call 505-553-1643 for more information.

CLASSIC VEHICLES FOR SALE - 1954 Ford F-100, original except changed to 12 volts, new custom paint and upholstery. 1969 Ford F-100 step-side, rebuilt end to end, new custom paint. 1990 Chevy Camaro I-ROC, clean inside and out. Call 505-753-4271 for more information.

CLASSIC VEHICLE PROJECTS AND ENGINES

- 1953 Ford F-100 with flathead V8 complete but needs restoration; 1956 Ford F-100 cab and front end, has rebuilt 296 Y-block and automatic transmission, good for parts or can be restored; 1979 Chevy cab and front end, clean frame; 1977 Chevy 250, 6 cylinder, engine complete with 3-speed transmission; 1957 Ford 296 Y-block, needs to be rebuilt; 1972 TransAm hood. Call Andy at 505-753-4271 for more information.

2020 JAYCO REDWING MOTOR HOME - 24 ft., 12,900 miles, like new, sleeps six, one slide out, two TV's, built-in generator. \$65,000. Call 540-654-0340 for more information.

2003 T-BIRD, black inside, black outside, new tires, 98,768 miles. Asking \$15,000. Call 575-544-5140 for more information.

FOR SALE - 2019 COUGAR FIFTH WHEEL, kept in barn. Call 575-742-6500 for more information.

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THE STEPS TO RESTORING POWER

When the power goes out, line crews work hard to restore electricity as quickly and safely as possible. To ensure the process is done efficiently, line crews follow specific steps to restore power. Can you order the steps below to match how power is restored?





STEP#

Tap lines are inspected. These lines deliver power to transformers that are either mounted on utility poles or placed on pads for underground electric service.



STEP#

Distribution power lines are inspected. These are the lines you typically see on the side of the road that deliver power to communities.



STEP#

Large, high-voltage transmission lines are inspected for damage. These power lines deliver large amounts of electricity over great distances.



STEP#

Service lines are inspected. These are the power lines that run **between the transformer** and your home.



STEP#

Distribution substations are inspected. These facilities lower the voltage of power, then send power to distribution lines.



Answer Key: 4, 3, 1, 5, 2



SMART WAYS TO SAVE

Use new technology to improve energy efficiency and lower electric bills

By Franklin Thurlow

Electricity is such a large part of our daily lives that we use it without thinking about it. Whether switching on a light to see better, plugging in our phones to charge, starting a load of laundry or turning on the TV to watch our favorite shows, we rarely realize how often we use electricity—until our electric bill arrives. It never feels good to pay for something you don't remember using, but there are solutions to lower your electric bill.

A common lament of homeowners is

their electric bills still seem high when they aren't home actively using electricity. Remember, even when the house is empty, appliances still use electricity.

"Heating and cooling are typically the highest energy use in a home. Thermostat settings are a good area to address, as that's something people can easily control," says Miranda Boutelle, chief operating officer at Efficiency Services Group. "The Department of Energy has recommendations for vacation settings that work well."

Installing a smart thermostat is one

way to get the most energy savings. The device takes the guesswork out of setting the thermostat by allowing users to enable vacation mode, which turns the thermostat up or down a few degrees while running the heat or air conditioner at regular intervals. Smart thermostats can be programmed to adjust throughout the day, making it an easy way to save energy when you're away from home.

If you have a manual thermostat, setting the temperature 5 degrees warmer in the summer or cooler in the winter than you normally do will have the same effect.

"Essentially, you don't want to heat the home or to cool the home more than necessary when you're not there," Miranda says. "You don't need to heat or cool for comfort."

When talking with neighbors about electric bills, people are sometimes confused about why their bills are higher than those near them. Many factors contribute to the amount of energy used in individual homes.

"A lot of people don't know or pay attention to their energy use, especially if they have auto pay or equal pay billing," Miranda says. "So they may think it's lower than it is."

A neighbor isn't necessarily the most reliable comparison. The number of people in the household, how often they're



A smart thermostat paired with a smartphone app can help you manage the energy used to heat or cool your home, which can help you save energy and money. PIXABAY PHOTO BY KAROLINA GRABOWSKA

home, the appliances they run and the size of the house all factor into the amount of kilowatt-hours—a measurement of electricity—used each month.

"Instead of comparing to your neighbor, I recommend comparing your energy use from the previous years or the previous months while considering changes in weather and lifestyle," Miranda says. "Focus on the kilowatt-hours used rather than the cost, and that will help you understand your energy use."

Another area of confusion for homeowners occurs during the changing of seasons. Even without an adjustment to the thermostat, electricity use can go up.

"Even if your thermostat stays at a constant temperature, the change in weather outside causes the heater or air conditioner to work harder to maintain your thermostat set point," Miranda says. "So even if you don't change a thing, it runs longer to keep things heated or cooled, using more energy."

Recommended thermostat settings are 68 degrees in the winter and 78 degrees in the summer. If this is uncomfortable, consider each degree you raise the thermostat in the summer and lower in the winter can save 3% or more on heating and cooling costs, according to the U.S. Department of Energy.

Coming in as the second-highest energy user in a typical home, your water heater is another great place to find savings. The U.S. Department of Energy recommends a setting of 120 degrees. Most water heaters also have a vacation mode, which helps save more when you are away.

If you have any questions regarding your bill, don't hesitate to contact your electric utility.

"The spirit of public power utilities is to help their consumers as much as possible," Miranda says. "So don't feel hesitant about reaching out."



to Help Save Energy

There are many reasons people are interested in cutting back on energy consumption. Some are primarily motivated to save on their monthly energy bills, while others may be more concerned about reducing their carbon footprints.

Regardless of your interest in using less energy, several smartphone apps can help.

Smart thermostat apps. Yes, to use a smart thermostat app, you must purchase a smart thermostat. But heating and cooling make up a large portion of the average home's energy consumption, so saving on heating and cooling can greatly impact bills. Smart thermostats and accompanying apps are handy and promote energy-efficient behavior—and these devices have become much more affordable. You can buy an Energy Star-certified smart thermostat for as low as \$100, saving you 8% on annual heating and cooling costs, about \$50 per year. The device will quickly pay for itself, and you'll gain insight into better ways to heat and cool your home. Plus, controlling the thermostat from anywhere can equate to real savings.

Energy cost calculators. If you want to reduce energy use at home, knowing your consumption is important. Energy cost calculators can help pinpoint your energy use with a few simple steps and identify areas to save. The concept is pretty simple: plug in the wattage of your various

appliances and how often you use them to see which are using the most energy. Most energy cost calculator apps are free and can be downloaded to any Apple or Android device. If you browse the app store, you'll find multiple energy cost calculator apps, but most are similar in functionality. Read the apps' reviews and download the one that best aligns with your energy-efficiency goals.

JouleBug app. If you're competitive and enjoy gamifying, the JouleBug app is right up your alley. JouleBug makes energy conservation simple and fun through personal tasks and badges earned within the app, group challenges you can tackle with friends and communities you can join to learn about local sustainability efforts. The JouleBug app is free and can be downloaded to Apple or Android devices, and it's an easy tool to make saving energy fun.

These are just a few apps that can help you find new energy-saving ways. Smart lightbulbs are typically paired with apps for convenient control of home lighting; smart plugs also come with apps to help you control how you power everyday devices and electronics.

Whether you use an app or not, saving energy is always a smart idea that can help you save money on your monthly bills and reduce your carbon footprint.

Shining a Light on Electricity

Knowing which appliances use the most energy can empower you to save money

By Tolu Omotoso

A smart or programmable thermostat, such as this model from ecobee, can help you manage energy used to heat or cool your home. That helps save energy and money. PHOTO BY SEAN D./UNSPLASH

You are not alone if you have ever received your energy bill and wondered, "Which home appliances use the most energy?"

A few years ago, after being away for a lengthy trip, I arrived home to a typical energy bill. I was surprised because I expected a lower bill after being away from home. This led me to an enlightening journey in search of answers.

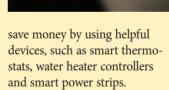
I started my quest on the Energy Information Administration's website specifically, the Residential Energy Consumption Survey.

According to EIA, a typical U.S. home spends more than \$2,000 annually on energy bills. On average, more than half of household energy consumption is for two energy end uses: space heating and air conditioning.

This impressed on me the importance of adjusting my thermostat while I'm away for extended periods. It truly makes a difference on our monthly bills.

I learned water heaters tend to be the third-largest energy user at 13%, followed by lighting, which accounts for about 12.5% of the average energy bill.

Once I understood the factors driving my energy consumption, I was able to change some of my habits and



Several factors affect the amount of energy a household uses, including geographic location and climate, the number of people in the home, the type of home and its physical characteristics. The efficiency of energy-consuming devices and the amount of time they are used also impact home energy consumption.

To save energy and reduce your monthly bill, the

following tips can help:

- Use Energy Star-rated appliances and devices.
- Replace old, inefficient equipment. For example, if your air conditioner, furnace or water heater is more than 10 years old, it likely is using a lot more energy than necessary. A newer model may end up saving you money in the long run.
- Use appliances with efficiency in mind. Only wash full loads of clothes or dishes. When possible, cook with smaller countertop appliances instead of the oven.





Electricity is essential for everyday life. When we think about all the ways we consume energy and actively try to be more efficient, we can lower our monthly bills. PHOTO BY BRUNO/PIXABAY

- Set your thermostat to scale back heating or cooling when you are asleep or away. When you are in the home and active, the Department of Energy recommends setting it to 78 degrees in the summer and 68 degrees in the winter. Aim for settings as close to those as possible to save energy.
- Use energy-efficient LED bulbs. They use 75% less energy than incandescent bulbs and last 25 times longer.
- Plug electronics into a smart power strip, which allows you to designate "always on" for devices that need to maintain a network connection and cut power from devices such as speakers and TVs when they are not in use.

With a little extra attention to how you use energy in your home, you will be well on your way to a path of energy savings—and lower energy bills.

When Shopping, Look for Energy Star Label

The key to making energyefficient choices is to shop for the government-backed Energy Star label. The symbol for energyefficiency information makes it easy for consumers and business owners to make well-informed decisions when it comes to buying products



that save them money and protect the environment.

Since 1992, Energy Star and its utility, local, state, commercial and industrial partners have helped American families and businesses save 5 trillion kilowatt-hours of electricity, avoid more than \$500 billion in energy costs and achieve 4 billion metric tons of greenhouse gas reductions.

The U.S. Environmental Protection Agency ensures each product that earns the Energy Star label is independently certified to deliver efficiency performance and savings.

Americans bought more than 300 million Energy Starcertified products and more than 300 million Energy Starcertified lightbulbs in 2020. An average of 800,000 Energy Starcertified products were sold every day in 2020, bringing the total to more than 7 billion products sold since 1992.

Many utilities participate in incentive programs for Energy Star consumer products, offering discounts or rebates for qualified purchases.

Replacing older heating and cooling equipment with a properly sized and installed Energy Star-certified heating, ventilation and air conditioning system can save the average consumer about \$160 a year. Energy Star-rated smart thermostats can add another 8% to annual savings, and a heat pump water heater rated under the program can shave \$330 from annual utility costs.

Over the life of the program, every dollar EPA has spent on Energy Star has resulted in nearly \$350 in energy cost savings for American businesses and households. In 2020, Energy Star and its partners helped Americans save more than 520 billion kilowatt-hours of electricity and avoid \$42 billion in energy costs.

Ratings are updated regularly to account for design changes and improved efficiency. To access online tools and learn more about efficient appliances, home entertainment and personal communications devices, visit energystar.gov.

youth art

January Topic: Happy New Year! Draw something you want to do in 2024!

February Topic: Happy Valentine's Day! Draw a picture of you and your family.

Send Your Drawing By mail: Youth Editor 614 Don Gaspar Ave.

Santa Fe, NM 87505 By email: tcondit@nmelectric.coop

Deadline: Submit by the ninth, one month prior to publication.

Hooray!

Winners receive a \$15 gift card.

Have a Youth Art Topic? Email or mail to the addresses above, or call 505-982-4671.

5 items to include on the back of your drawing, otherwise YOU ARE DISQUALIFIED:

- 1. Name
- 2. Age
- 3. Mailing Address
- 4. Phone Number
- 5. Electric Co-op

DON'T FORGET THESE ITEMS!

Artwork accepted up to age 13.

Happy Thanksgiving! Congratulations to the winning artists, who drew what they are thankful for!

Abigaile Vinson • Age 10 **Otero County Electric Cooperative**



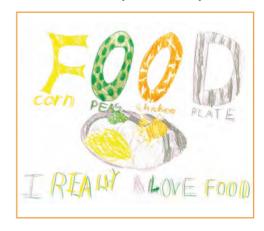
Madison Dodson • Age 12 Lea County Electric Cooperative



Mila Sandoval · Age 6 Mora-San Miguel Electric Cooperative



Kyclynn Moore • Age 9 **Roosevelt County Electric Cooperative**



Kayley Nunez • Age 10 **Central New Mexico Electric Cooperative**



Sadie Edgmon • Age 5 Sierra Electric Cooperative





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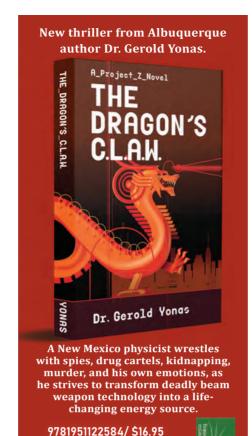
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WAYS TO SAVE AND IMPROVE ENERGY EFFICIENCY IN YOUR HOME

+ SWITCH TO A HEAT PUMP WATER HEATER (HPWH)

HPWHs are 350% more efficient than a traditional water heater and cost less to operate. HPWHs use electricity to transfer heat from the air into the water, instead of using combustion to generate heat, making HPWHs a safer alternative.

+ INSTALL LED LIGHTING

LED lightbulbs consume 80% less energy than incandescent bulbs and can last 10 to 25 times longer. Unlike incandescent bulbs, which release 90% of their energy as heat, LEDs are far more energy-efficient with very little heat.

+ SAVE WITH AN AIR-SOURCE HEAT PUMP

The newest air-source heat pumps can be up to 300% more efficient than electric baseboard heat. They work in cold weather and can reduce your propane usage by 80% or more.

+ UPDATE YOUR ELECTRICAL PANEL

When increasing your home's energy efficiency, keep in mind that it may require a service panel upgrade. As you receive quotes for electrical equipment always be sure to ask for a load calculation to ensure your electrical panel can handle the new equipment.

To learn more about rebates and incentives for electrification programs, contact your local co-op or public power district. **Visit us at www.tristate.coop/electrifyandsave**

