

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Cumberland Electric Membership Corporation

CEMC Management and Staff

Jim Coode, General Manager

David Abernathy,
Operations Division Manager

Chris A. Davis,
Administrative Division Manager

Mark T. Cook, P.E.,
Engineering Division Manager

Annebelle Chester,
Human Resources Manager

Seth Roberts,
Member Services Manager

CEMC Co-op News Editor

Julie Wallace
P.O. Box 3300
Clarksville, TN 37043

Open Monday-Friday,
7:30 a.m.-4:30 p.m.
800-987-2362

Ashland City office

Josh Gill,
District Operations Supervisor

Clarksville office

Kenny Davis,
District Operations Supervisor

Dover office

Terry Odom,
District Operations Supervisor

Gallatin office

Travis Akins,
District Operations Supervisor

Portland/White House offices

Todd Hesson,
District Operations Supervisor

Springfield office

Nicky Roberts,
District Operations Supervisor

CEMC Board of Directors

Tommy G. Whittaker,
Sumner Co., President

Wesley H. Aymett,
Cheatham Co., Vice President

Shela K. Williams,
At Large, Secretary-Treasurer

K. Jean Beauchamp, Robertson Co.,
Assistant Secretary-Treasurer

Stephen E. Douglass, Stewart Co.

Charles R. Hancock, Stewart Co.

Michael A. Mason, Robertson Co.

C. David Morgan, Montgomery Co.

Edward L. Oliver, Montgomery Co.

Joe H. Whitaker, Sumner Co.

Mission Statement

Cumberland Electric Membership Corporation is committed to providing dependable, affordable electric service through the expertise and dedication of competent leadership and a well-trained and responsive workforce.

AS I SEE IT *Manager's Viewpoint*

Cooperatives drive democracy

It has often been said that those who cannot remember the past are condemned to repeat it. It's easy to take our right to vote for granted — maybe because there are so many opportunities to exercise that right. There are national, state and local elections for political offices. Then there are elections for social or other civic organizations. If you own stock, you are asked to vote in those elections. So it is understandable to see how “election fatigue” can take hold.

As we head into the final stage of what has been a divisive national election, it is a good time to remember that elections don't have to be about name-calling and bitterness. Co-ops can and do play a role in cultivating a civil society where people can practice democracy at the hyperlocal level. As a member of Cumberland Electric Membership Corporation, you have the right to run for the board of directors. Even if you choose not to have that

level of participation, you should feel empowered to reach out to current board members and candidates.

The beauty of belonging to a co-op is that every member has a voice, but you must use that voice if you want to be heard on the issues that matter to you. In the document “A Blueprint for a Cooperative Decade,” the International Cooperative Alliance, a global organization made up of co-ops from more than 100 countries, identified member participation as one of the five key ingredients for a co-op to be successful.

Voting and being actively involved in the affairs of the co-op are key ways in which members can participate. Take the time to get to know candidates running for CEMC's board. Seek out ways that you can help spread the word about the good work your co-op is doing.

Let your voice be heard, and take the time to participate in all the elections.



*Jim Coode,
General Manager,
Cumberland
Electric Membership
Corporation*

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Community food drive



Sango Elementary students are eager to show off the food they collected during the 2015 food drive.

Cumberland Electric Membership Corporation's annual community food drive is coming soon to an elementary school near you!

During the month of October, CEMC will partner with local schools throughout our service area to collect nonperishable food items for those in need in our community. All items collected will be donated to local food banks for distribution.

"The food drive is our way of demonstrating the cooperative principle 'Concern for Community,'" says CEMC Community Relations Coordinator Stephanie Lobdell. "Each year, our students and their families bring in thousands of food items, and we're confident this year will be no exception."

If you would like to help, please consider picking up an extra one (or more) of the following suggested

items as you're doing your grocery shopping over the next couple of weeks:

- Peanut butter
- Canned meat (chicken or tuna)
- Canned vegetables
- Canned fruits
- Dry pasta
- Pasta sauce
- Rice
- Dried beans
- Canned chili or soup
- Bottled drinks (juice, water, sports drinks, etc.)

Individual schools will coordinate the details for their respective food drives, so please be sure to check with your child's school for specific collection dates and additional information.



Project Help: neighbors helping neighbors

Cumberland Electric Membership Corporation, in cooperation with local energy assistance agencies, offers a program in which members who choose to participate can donate \$1 or more each month to help provide some relief to individuals who are struggling to pay their utility bills.

The program, Project Help, allows members to pay an additional \$1 on their electric bills each month to help pay the utility bills of the elderly, disabled and/or those who are not economically self-sufficient. Project Help is a voluntary program. All money collected from Project Help goes to energy assistance agencies in our communities, which determine how these special funds are distributed. Here's how the Project Help Program works:

Who is eligible to receive Project Help funds?

To qualify, Project Help recipients must contact their local energy assistance agencies. They will be required to provide proof that they are unable to bear the cost of heating their homes and that they do not exceed the annual income limit established for the assistance program.

How are the funds administered?

When CEMC receives your Project Help donation, 100 percent of the money goes directly to the assistance agency that administers the program in your county. The

agency distributes the assistance based on qualifying needs.

Who contributes to Project Help?

Everyone can contribute to CEMC's Project Help program. The minimum donation is \$1 per month.

How long do I donate to Project Help?

You are billed each month on your CEMC statement for the amount you wish to donate. You will continue to be billed each month until you notify CEMC that you would like to discontinue your donations.

How will I know I am donating each month?

You will see a separate line on your CEMC statement to show your Project Help donation.

How do I sign up?

If you would like to donate \$1 or more each month to Project Help, you can do so by marking the box on your bill stub and completing the Project Help section on the back of your bill. Or contact CEMC's Customer Service Department either by phone at 800-987-2362 or live chat on our website, www.cemc.org.

By donating to Project Help, you can make a difference for someone in need this winter. Please consider joining us in warming the homes of our neighbors by contributing to Project Help. A dollar a month can truly make a difference.



**UTILITY POLES
ARE NOT
BULLETIN BOARDS**

Think before you post that sign!
Staples, nails and tacks used to hang signs and fliers create dangerous obstacles for electric lineworkers. *Their jobs are dangerous enough – help us keep them safe!*

CEMC
Cumberland Electric
Membership Corporation
The Inclusive Energy Corporation

The world turns more energy-efficient

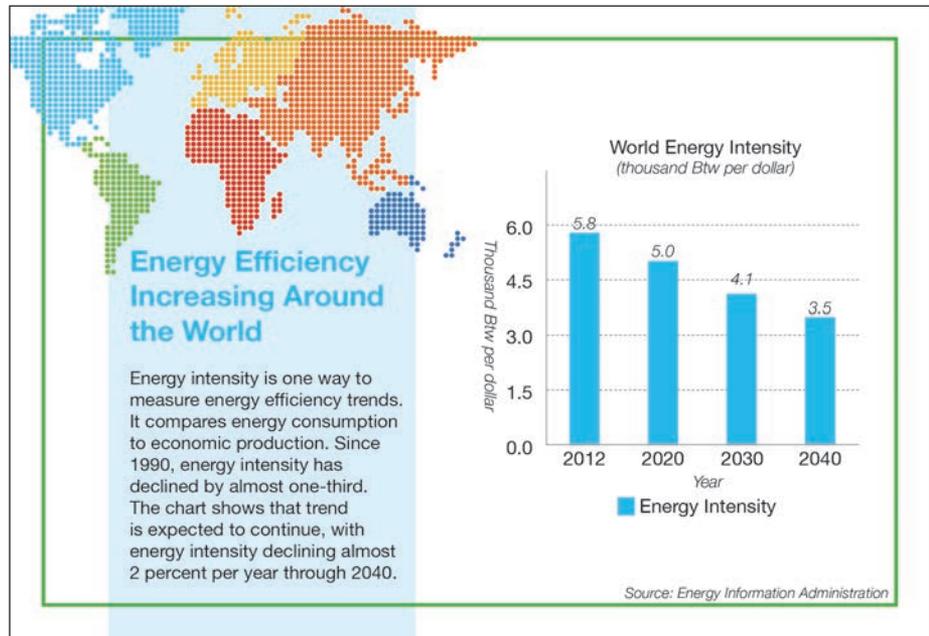
Efficiency trends are expected to continue for decades

By Paul Wesslund

People aren't just talking about energy efficiency. It's actually happening across the globe — and there is a way to measure it.

It's called energy intensity and is calculated by comparing energy consumption to the measure of a country's economic production — its Gross Domestic Product. In other words, energy intensity measures how much energy it takes to produce a dollar of economic activity.

In the past 25 years, energy intensity worldwide has dropped by one-third, says the U.S. Department of Energy's Energy Information Administration (EIA). There can be a lot of reasons for a decline in energy intensity: more efficient lighting options, energy use habits, standards for vehicle fuel economy and building codes and economies based more on services and less on industrial production.

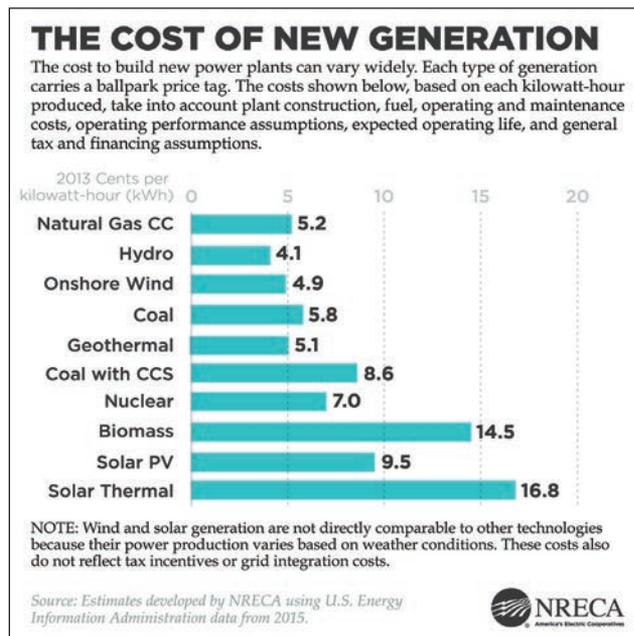


“Energy intensity has decreased in nearly all regions of the world,” says EIA, “with reductions in energy intensity occurring both in the more developed economies ... and in the emerging nations.”

EIA predicts that energy efficiency will continue to improve. The agency's International Energy Outlook 2016 forecasts that over the next 28 years studied in the report, world energy intensity will decline almost 2 percent a year, from 5.8 thousand British Thermal Units of energy for each dollar of Gross Domestic Product in 2012 to 3.5 by 2040.

According to EIA, more economically developed countries tend to have lower energy intensities because they “have transitioned from relying on energy-intensive manufacturing to using more services-based economic activities, which are less energy-intensive.”

EIA says that in 2015, developed economies used 12 percent less energy per dollar than developing countries.



Paul Wesslund writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

Making the most of home upgrades

By Joseph Woodard, CEMC Energy Programs Inspector

Extreme climates = extreme energy use

After enduring another scorching Tennessee summer, you may have noticed that keeping your home comfortable has been difficult in the extreme temperatures. Maybe that heat pump seems to run constantly or your home just never seems quite comfortable. If you've noticed this along with your energy costs rising annually in the heating or cooling seasons, it may be that your home is no longer performing to its full potential and is consuming more energy in the process.

Energy answers ... outside the home?

I'm sure that like many homeowners, you avoid entering your crawlspace or attic as much as possible. That's understandable as these areas are dark and extremely hot or cold. However, a short visit could lead to the discovery of major issues that could affect your home's energy consumption.

Keeping out the cold

For any Tennessee residents who are enthralled by a certain cable television series involving dragons, knights and metal thrones, the phrase, "Winter is coming," is not lost. As we prepare for the chill in the air, it is important to recognize that your home's best chance of keeping warm is to stop the cold air from entering. Sealing the home's thermal envelope is the most effective way to combat thermal loss as it is common to find areas like Figure 1 (below) that allow the inside air to freely escape to the outside.



Figure 1: Plumbing and wiring penetrations within the crawlspace and attic are common air sealing opportunities.



Figure 2: All joints within a duct system should be sealed with mastic sealant; duct tape and caulk are not suitable sealants. Check the labeling. Ducts should be insulated to R-8 or more.

Getting the heat to the inside

OK, so you've stopped the cold from entering the home. What about the heat you're trying to keep in? The majority of heating, ventilation and air-conditioning (HVAC) systems in Middle Tennessee are forced-air systems, utilizing ductwork to move conditioned air into homes. Unfortunately, most duct systems are leaky, and poorly insulated, even when they're brand-new. Just as a leak in plumbing allows water to escape, a leaking duct system like in Figure 2 (above) allows that conditioned air to enter your crawlspace or attic, losing any efficiency your HVAC system can create.

Proper install gives expected savings

Maybe you've made some upgrades already; your effort is applauded! However, any upgrade to your home is only as valuable as the quality of the installation. If you've upgraded that water heater to an efficient model but the plumbing to that appliance leaks, the result is energy-saving features not utilized because the unit must compensate for shortcuts made during installation.

Energy Resource Center

If you're not ready to jump into your crawlspace, Cumberland Electric Membership Corporation offers some tools to help diagnose common deficiencies in your home. Visit www.cemc.org to view our Energy Resource Center, which includes our energy adviser-led self audit. By

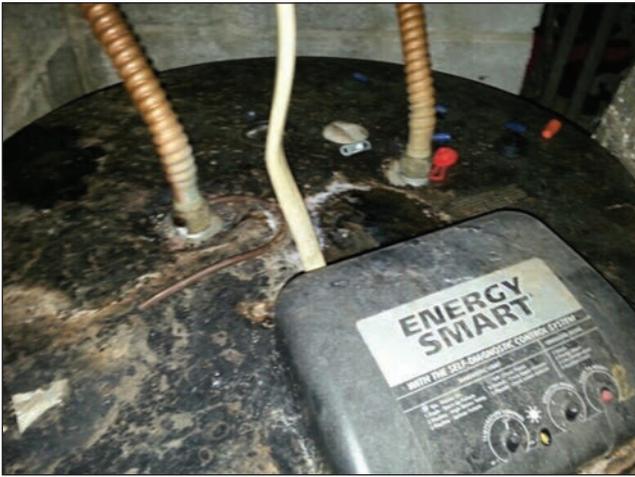


Figure 3: Rust and calcium deposits on a water heater are obvious indicators of a leak. Any efficiency of the tank is wasted if it is constantly being refilled and reheated.

entering your home’s data, you’ll receive a comprehensive report of how your energy dollars are spent now and suggested areas to upgrade to help you plan for the future.

eScore Residential Efficiency Program

If you’ve decided it’s time to start upgrading your home to lower your operating costs, CEMC is excited to offer homeowners an easy way to make your home as energy-efficient as possible. The eScore Program uses a clear evaluation of your home to discover which upgrades can yield the quickest improvement in your specific home. Learn your home’s eScore, get expert advice, install efficiency upgrades and receive rebates and financing for the work you’ve had done.

Bonus: Visit www.2escore.com to complete the self audit for your home, and you’ll receive a **free** Home Energy Savings Kit including a \$10 Home Depot gift card!

Saving energy dollars one step at a time

While upgrading an existing home can be a long-term series of projects, the eScore program allows you, as the homeowner, to complete these goals on your own schedule and revisit the program at any time. If you are upgrading your HVAC system and adding attic insulation this year but plan to replace windows the next, you can easily re-engage at that time to receive the rebates you have earned for your efficiency investments.

Affordable financing available

Did you know that CEMC offers low-interest financing for upgrades to your home? By opting for eScore financing, the cost of upgrades can be spread into equal payments added to your monthly electric billing. Upgrades such as heat pumps, duct systems, attic insulation and air sealing can be financed to help you achieve the savings at a budget-friendly cost. For more details or to apply, visit www.cemc.org/services.

Rebates for quality installs

On top of energy savings gained over the life of the home, rebates are awarded for having the energy-saving measures installed using the Quality Contractor Network (QCN). As the quality of installation maximizes the full benefit of the energy savings you are wishing to achieve, utilizing a QCN contractor ensures that the install is

Continued on page 26

Upgrade	Homeowner Rebate (Matching 50%)	Limitations
Attic insulation	\$250/home	One time only
Air sealing	\$200/home	One time only
Duct systems	\$200/system	One time per system
Heat pump water heaters	\$200/unit	No limit
Window replacement	\$25/window	\$500 max per home
Storm windows added to single-pane windows	\$12.50/window	\$250 max per home
Exterior door replacement	\$50/door	\$300 max per home
Heat pumps — ducted or nonducted	\$250/unit	No limit
Tune-up (existing HVAC)	\$15/unit	One rebate per unit per year
Central air conditioners	\$150/unit	No limit
Geothermal heat pumps	\$500/unit	No limit
Dual-fuel heat pumps	\$250/unit	No limit

Making the most of home upgrades

Continued from page 25

performed to the Tennessee Valley Authority's standards; a third-party inspection verifies that your investment is worry-free.

How to get started

Simply visit www.2eScore.com or call 1-855-2eScore (1-855-237-2673) to begin. After registering, choose a QCN member to receive free estimates and get started with the upgrades you've planned. Once the install is complete,

you will receive a FREE eScore evaluation of the home **and** a quality-assurance inspection of the work. A certified energy adviser will visit and evaluate the home to provide a customized list of suggested future upgrades and install instant-savings measures (compact fluorescent lightbulbs and low-flow showerheads).

If you're unsure of where to start your upgrades, you can have an eScore evaluation performed on your home before making upgrades for a nonrefundable fee of \$75. Sign up for an eScore evaluation by visiting www.2eScore.com or calling 1-855-2eScore (1-855-237-2673).

Don't be fooled by common energy myths

By Abby Berry, National Rural Electric Cooperative Association

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened,

the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting www.cemc.org or calling 800-987-2362.





Don't watch? **Don't pay!**

Introducing **Flex Pack**,
a skinny bundle with **50+** popular channels.



Want **More?**

Add **Channel Packs** for only **\$10** /mo. each
First Channel Pack **Included!**

National Action Channel Pack

... and many more!

Variety Channel Pack **\$6!**

... and many more!

Kids Channel Pack

... and many more!

News Channel Pack

... and many more!

Locals Channel Pack

... and many more!

FREE **HBO** **CINEMAX** **STARZ** **HD** for life

FOR 3 MONTHS. Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service + High-Speed Internet

Internet prices starting at: **\$14⁹⁵**

Restrictions apply. Subject to availability.

\$39⁹⁹ Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • SE HABLA ESPAÑOL



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends: **10/27/16 2-Year Commitment:** Early termination fee of \$20/mo. remaining applies if you cancel early. **Included in 2-year price guarantee at \$39.99 advertised price:** Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. **Available with 2-year price guarantee for additional cost:** Programming package upgrades (\$54.99 for AT120+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). **NOT included in 2-year price guarantee or advertised price (and subject to change):** Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. **Premium Channels:** Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. **Other:** All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. **Visa® gift card** must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.



October 2016 www.tnsmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Caney Fork Electric Cooperative

Serving our members since 1940.

Management and staff

William S. Rogers,
General Manager

Donald L. McBee,
Director, Financial Services

John Chisam,
Director, Member Services

Danny Sutton,
Director, Operations

Leanne B. Fisher,
Executive Assistant

Jason Cloyd,
District Manager

Office hours
Monday-Friday, 7 a.m.-5 p.m.

Website
www.caneyforkec.com

McMinnville office/headquarters
Phone: 931-473-3116
888-505-3030

Sparta office
Phone: 931-836-3129

Smithville office
Phone: 615-597-5626

Spencer office
Phone: 931-946-7575

AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

Every October, cooperatives from all sectors across the country celebrate National Cooperative Month to recognize the cooperative difference and remind you, the members of the co-op, about Caney Fork Electric's purpose.

I must admit that occasionally, I, too, have been somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

Celebrating National Cooperative Month informs others about our unique business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members who are familiar with the principles, the month of October is a great opportunity to renew our connection to each other and the purpose of our co-op: to provide affordable, reliable, safe electric power while also aiming to improve the quality of life in the communities we serve.

In the U.S., more than 29,000 co-ops

serve in every single industry. Many co-ops from different sectors join together during the month of October to educate members in the community about cooperatives.



Bill Rogers
General Manager,
Caney Fork
Electric Cooperative

There are more co-ops in our local community than most people realize. Co-ops such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more are even represented on the shelves at our local grocery stores.

According to the latest data, more than 130 million people in the U.S. alone belong to a co-op, and cooperatives employ more than 2 million Americans.

This speaks to the heart of why we must take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops right here in our local community and be an active member of Caney Fork Electric Cooperative.

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Qualifications to vote in director elections

Evidences which must be shown to vote the membership of a corporation, partnership, church, charitable organization, legal partnership or governmental entity

At a Caney Fork Electric Cooperative annual meeting, a duly executed proxy must be presented to vote the membership of a corporation, partnership, church, charitable organization, legal partnership or governmental entity. Said proxy must contain the following information:

- Date of proxy
- Name of organization giving proxy
- Name of person signing proxy on behalf of organization
- Authority the organization has to give subject proxy
- A statement that the giver is a member of CFEC in good standing currently taking service in that member's name
- The date and place of the CFEC meeting for which the proxy is being issued
- The authority to whom the proxy is given

The statement must be contained therein that no other person or persons have the authority to vote for the proxy giver. If an alternate is named or authorized, the alternate must be named in the proxy.

If the member is a corporation, the only evidence that would be accepted to vote the corporation's membership is a duly authorized and executed proxy.

If the membership is in the name of a general partnership, a sworn statement should be furnished by one of the general partners stating that he/she is a general partner in the named

partnership and that he/she has the full authority to vote the partnership's membership.

If the membership is in the name of a limited partnership, the membership can only be voted by the general partner who must tender a sworn affidavit of his/her authority to vote the membership of the limited partnership, LP or LLP. If the general partner is a corporation, a proxy given by the corporation's duly authorized official to some individual can be voted.

A person attempting to vote the membership of an unincorporated church or charitable organization who holds a membership in the cooperative must produce a sworn affidavit by the party seeking to vote that membership stating that he or she is or has been duly authorized by the governing body of said organization to vote its membership.

Any membership other than one held by an individual in the individual's name or held jointly with a spouse in both names can only be voted by written authority or affidavit in the form of a proxy or a sworn affidavit that is acceptable to the Election Committee.

To vote the membership of a governmental entity, only the official authorized by law or proxy can vote the governmental entity's membership.

The Election Committee will have full authority to determine if the evidence presented is sufficient for the presenter to vote the entity's membership.

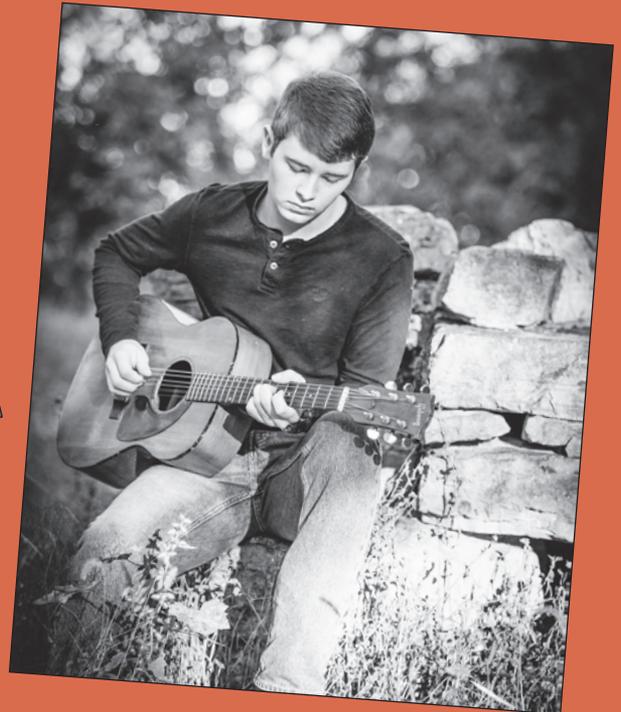
Caney Fork Electric Cooperative

invites you to attend the
2016 Annual Meeting

Saturday, Oct. 15
at the McMinnville Civic Center
Featuring entertainment by:



Bella & Lanae



Jesse Black Music

***Cooperative members
must bring photo IDs
in order to vote!***

Barbecue meal served from 11 a.m. to 1:30 p.m.
(while supplies last; no carry-outs, please)
Voting for director elections from 10 a.m. to 2 p.m.
(voters will receive free gifts while supplies last)
Business meeting starts at 2 p.m.
Door prizes to follow!

Official Notice

Caney Fork Electric Cooperative

Annual Membership Meeting

Saturday, Oct. 15, 2016

McMinnville Civic Center

Notice is hereby given that the annual meeting of Caney Fork Electric Cooperative Inc. will be held on the 15th day of October, 2016, at the McMinnville Civic Center, McMinnville, with the registration and voting from 10 a.m. to 2 p.m. and the business session beginning at 2 p.m. for the following purposes:

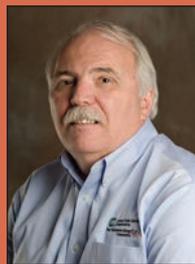
- Registration of members and voting for directors
- Report on the number of members present in person in order to determine the existence of a quorum
- Reading of the notice of the meeting and proof of the due giving thereof or of the waiver or waivers of notice of the meeting, as the case may be
- Reading of the unapproved minutes of previous meeting of the members and taking of necessary action thereon
- Presentation and consideration of reports of officers, directors and committees
- Unfinished business
- New business
- Announcement of election results
- Such other matters as the board of directors or members may establish
- Adjournment

The following members have been nominated for director positions by the Committee on Nominations, pursuant to Section 4.06 of Article IV of the bylaws. No members were nominated for director positions by petition of members. The bylaws require that no fewer than 100 members be present to constitute a quorum.

Uncontested races



Bill S. Davis
Area X
White County



Albert R. Dicus
Area VIII
White County



James H. Hillis
Area IX
Warren County

Contested election



J. Steve Roller
Area VII
Warren County



Stan W. "Butch" Bullen
Area VII
Warren County

Jeanette C. France, secretary-treasurer, Caney Fork Electric Cooperative

Caney Fork Electric Cooperative welcomes new employees

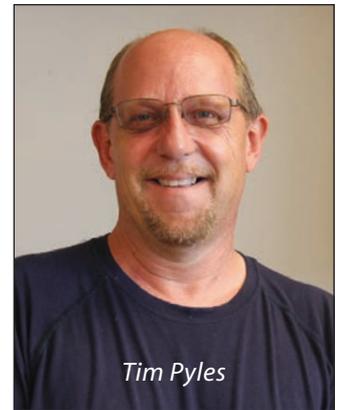
Caney Fork Electric Cooperative welcomes new mechanic Tim Pyles, hired in April to replace longtime employee Donny Pedigo who retired after a 32-year career with the cooperative.

With 20-plus years of running his own business in mechanics, Pyles' impeccable knowledge and workmanship landed him the position.

Pyles resides in Smithville with his wife, Margaret. They have one daughter, Jennifer Pack, and one son, Brandon. Pyles has a great love for football.

When asked about his new position at CFEC, Pyles said, "From being a successful business owner and taking my company as far as I wanted to go with it as well as working on Caney Fork's equipment in the past, I've had the opportunity to meet some of the employees here, and they always spoke very highly of this company. So, when the opportunity came up

for the mechanic position, I was happy to have been given the chance to come in here and put my 30 years of experience and knowledge to use in repairing and maintaining the fleet of equipment we have here. Everyone I've met here has been supportive and accepted me with open arms into the CFEC family, and that makes this career transition a blessing. We have some of the finest people I've ever met working here at the cooperative."



Tim Pyles

The cooperative's newest employee is Spartan native Ireneo Rose, an apprentice lineman hired in June to work from the McMinnville office. Rose was previously employed for seven years as a lineman for William E. Groves Construction.

After graduating from White County High School in 2008, Rose attended Southeast Lineman Training School, graduating in 2009.

Rose and wife Amanda live in Walling. They are the proud parents of 2-year-old daughter Hallie Reece. Rose enjoys hunting and fishing.

Rose was all smiles as he spoke of his new position here at Caney Fork Electric Cooperative. He said, "I have been trying hard for seven years to do this. I wanted to find a job closer to home and closer to my family and friends. Caney Fork is a really good place to work!"



Ireneo Rose

Guidelines for voting at CFEC annual meeting

Caney Fork Electric Cooperative is required to operate according to certain rules and regulations known as bylaws. These rules are specific regarding the eligibility of voting members.

If the membership is in the name of a deceased individual, no surviving family member can vote in the deceased person's name. When a member dies, that membership terminates. However, we can easily process a valid request to change a membership from the name of the deceased person to that of a nonmember spouse as long as the request is received prior to the date of the annual

meeting. Once the change is processed, the new member can vote.

In the event of a married couple where one spouse is a member, both are members automatically. However, unless a joint membership is indicated, the membership is an individual one.

Joint memberships require no additional membership costs. A joint membership entitles the holders to only one vote between the couple. At any business meeting, either the husband or wife can vote. If both are present, only one vote can be cast.

Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- Efficiency can be as much as 2.5 times higher than an electric resistance alternative
- Cool surrounding space in the summer, making the area more comfortable
- Use waste heat from the central furnace during winter months
- May qualify for \$300 Federal Tax Credit in 2016
- Can save \$330 annually for a family of four, depending on water use and electricity rates

CONS

OF HEAT PUMP WATER HEATERS (HPWH)

- Cost about twice as much as electric resistance water heaters
- The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use
- Make the heating system work harder during winter months because it generates cold air while operating
- Physical size of an HPWH can be greater than an electric resistance alternative
- Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump
- Slow recovery may be a problem when demand for water is high

Co-op Connections® Card



Participating Local Businesses

Cumberland Caverns
931-668-4396

Professional Tint
and Detail
931-473-3403

Lawson Mill
Photography
931-808-2728

Elizabeth Smith
Photography
931-952-8151

Jongee's Gifts
and Fine Furnishings
931-836-2822

Jack's Sheer Delights BBQ
and Hotdog Shack
931-836-2118

Belk Grocery
615-597-4196

The Landing
931-686-2603, 657-2639

Rocky River Valley Arms Inc.
931-686-7782

Please visit CFEC's website, www.caneyforkec.com for discount information.

The Co-op Connections Card is free to all CFEC members. Obtain your card at any CFEC office.

If you are a business owner who would like to be part of this exciting program or you frequent a business you'd like to refer, call 931-473-3116 or email awood@caneyforkec.com for additional information.

Co-op Connections Program Featured Businesses

Cumberland Caverns: 60 years of welcoming guests

This year, Cumberland Caverns celebrates 60 years of welcoming guests to experience the wonders of a magnificent world hidden deep beneath the Earth's surface. The cave has come a long way since opening to visitors in 1956, but one thing that will never change is its



standing as an attraction offering the ultimate in adventures that help make memories lasting a lifetime!

Cumberland Caverns is pleased to invite you to come and see for yourself the extraordinary sights and formations just waiting to be discovered — or perhaps rediscovered. Spend the day listening to stories of early explorers, the cave's Civil War connection and an explanation of how the geological wonders of the cave came into existence.

An array of several daytime spelunking tour options for every level of adventurer is also offered by Cumberland Caverns. The spelunking trips, designed for ages 6 and older, take you through some of the most loved areas of the cave with names like "Lemon Squeezer," "Bubblegum Alley" and "Tucker's Tunnel."

If you are looking for a little more excitement, you can take your camping trip to the next level inside the cave. Cumberland Caverns, boasting a perfect year-round temperature of 56 degrees, not

only helps visitors avoid inclement weather but also bugs and the hassle of pitching a tent when you and your group venture into the cave for the outing of a lifetime.

Do you love music and unique venues? In 2008, Cumberland Caverns became the home to "Bluegrass

Underground," an Emmy Award-winning concert series held each month 333 feet below ground in the world-famous Volcano Room. Amazing acts across genres — country, gospel, jazz, Americana, folk, indie, rock 'n' roll and, of course, bluegrass — fill the cave with a pure, soul-awakening sound unlike anything you have ever experienced.

Visit today at 1437 Cumberland Caverns Road in McMinnville. See for yourself why Cumberland Caverns has been recognized by some of the most prestigious organizations, news outlets, media publications and more than 40,000 visitors from all over the globe annually. Cumberland Caverns is a national natural wonder and a treasure hidden in the hills of Middle Tennessee.

For more information, call 931-668-4396 or visit cumberlandcaverns.com. Cumberland Caverns is open year-round — seven days a week from 9 a.m. to 5 p.m. With more than 32 miles of caves, there is plenty of fun and adventure for everyone!

October 2016 www.tnsmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



DREMC Management and Staff

Michael Watson, President/CEO
Valerie Morrow, Director of Engineering
Patrick Jordan, Director of Operations
Steve Oden, Director of Member Services
Shelia Orrell, Director of Financial Services
David Young, Director of District Services

DREMC Office Hours

Monday through Friday, 8 a.m.-5 p.m.

Chapel Hill Office

Timmy Orrell, Area Manager
Phone: 364-4700
After Hours, Holidays, Weekends: 364-4747

Columbia Office

Michael Trew, District Manager
Phone: 388-3131
After Hours, Holidays, Weekends: 388-3482

Decherd Office

Patrick Hannah, District Manager
Phone: 967-5578
After Hours, Holidays, Weekends: 967-5579

Lewisburg Office

Timmy Terry, District Manager
Phone: 359-2536
After Hours, Holidays, Weekends: 359-2537

Lynchburg Office

Eugene Cartwright, Area Manager
Phone: 759-7344
After Hours, Holidays, Weekends: 759-7371

Manchester Office

Michael Millrane, District Manager
Phone: 728-7547
After Hours, Holidays, Weekends: 728-7548

Sewanee Office

Lee Wayne Pettes, Area Manager
Phone: 598-5228
After Hours, Holidays, Weekends: 598-5129

Shelbyville Office

Mike Bayne, District Manager
Phone: 684-4621
After Hours, Holidays, Weekends: 684-4623

DREMC Co-op News Editor

Connie Potts
P.O. Box 89
Shelbyville, TN 37162-0089
Phone: 680-5881

DREMC BOARD OF DIRECTORS

Barry Cooper, Chairman
Bedford, Rutherford counties
Buford Jennings, Vice Chairman
Moore, Lincoln counties
Laura L. Willis, Secretary,
University of the South
John Moses, Treasurer
Marshall, Giles counties
Nelson Crouch, Franklin, Grundy, Marion counties
Bob Dubois, Maury, Hickman, Lawrence, Lewis, Williamson counties
Philip Duncan, Franklin, Grundy, Marion counties
Mike England, Coffee, Warren counties
Anthony Kimbrough, Maury, Hickman, Lawrence, Lewis, Williamson counties
Kenneth Stacey, Marshall, Giles counties
Wayne Tucker, Bedford, Rutherford counties
Baxter White, Coffee, Warren counties
Brent Willis, Coffee, Warren counties

Website: www.dremc.com

Facebook: [DuckRiverEMC](https://www.facebook.com/DuckRiverEMC)

Twitter: [DuckRiverEMC](https://twitter.com/DuckRiverEMC)

Instagram: [DuckRiverEMC](https://www.instagram.com/DuckRiverEMC)

LinkedIn: [DuckRiverEMC](https://www.linkedin.com/company/DuckRiverEMC)

AS I SEE IT

Michael's Viewpoint

Electric co-ops important to public power's success

The Tennessee Valley Authority region is unique in many ways. Even the system by which electricity is made available is different. In other parts of the nation, giant investor-owned utilities (IOUs) dominate power generation, transmission and distribution. The sole purpose of these companies is to optimize profits for their investors.

This means the connection between IOUs and their customers is very different than in the TVA region, where public power — electric cooperatives and municipal utilities — meet the needs of residents, farms, businesses and industries. The hallmarks of public power are nonprofit operation, local control and commitment to community.

Of course, public power's main responsibility is to provide safe, reliable and affordable electricity. But more than ever, another emphasis is being added to utility mission statements in the TVA region — and this is something you don't find memorialized by IOUs.

We seek to provide excellent member/customer service and are dedicated to the communities we serve. This further differentiates public power from the IOUs, where a great distance separates corporate management from those who pay the electric bills. IOU customers are solely part of the business equation. They ensure profits, executive bonuses and investor dividends for stockholders who have little or nothing to do with the lives, communities and futures of those who buy the power.

Years ago, IOUs began closing offices and service centers, consolidating their operations and de-emphasizing the importance of local presence in the communities they serve. By contrast, electric co-ops and municipal utilities could not exist without being committed to the communities that depend on 24-7 power delivery.

The core of community commitment is in the service we provide. In the case of electric cooperatives, we serve our member-owners, the folks who own the utility. Municipal utilities serve customers who are likely to be taxpayers and voters in the towns and cities where they're headquartered.

This distinction between public power's commitment to community and the IOU model means electric cooperatives and municipal electric utilities don't limit their service to providing power. They find other ways to help.

At Duck River EMC, our commitment includes Project Help, Weatherization Wizards, CoBank Sharing Success grants, direct charitable contributions, the USDA/Rural Utilities Service revolving

loan and grant program, Washington Youth Tour, employee volunteerism, civic involvement and grassroots advocacy for our members and communities.

We employ a full-time, certified economic developer to assist local efforts in job creation and retention across the service area. In partnership with TVA, we offer programs to help businesses and industries become more profitable and competitive. We support local agriculture and promote tourism. And we are committed to environmental stewardship.

DREMC doesn't do these things because we are forced to by a public service commission. It is our commitment to community, based on a philosophy that stretches back to our founding 80 years ago. This is a hallmark of electric co-ops everywhere and the foundation of the public power model.

October is National Cooperative Month and Public Power Month. These are celebrations of a "different" approach to providing electricity. In the TVA region, electric co-ops and municipal utilities have developed a unique template. We "empower" by being service-oriented and committed to community.

Whether called members or customers, those who rely on public power expect more from their electricity providers. Surveys show they increasingly want a menu of services, information and assistance from their local utilities.

They also value community commitment.

We have become the "energy experts" to whom they turn for advice and help. We are the folks who climb the poles to restore power after storms. We answer their questions about lighting, insulation, water heaters, heating and air conditioning, even renewable energy. We are their partners in economic development, dedicated to keeping business and jobs at home.

And we are the friends and neighbors they meet at the grocery store, ballpark and church. We're the people who empower their lives in so many ways.



Michael Watson
Duck River EMC
President/CEO

DREMC members celebrate 80th anniversary

More than 250 Duck River Electric Membership Corporation members, employees and guests gathered for the 2016 Annual Meeting and 80th anniversary observance Saturday, Aug. 20, at Tennessee Farm Bureau headquarters in Columbia.

Five unopposed incumbent directors were re-elected to new terms, and board officers were named in the reorganizational session following the meeting.

Baxter White, Zone 1 (Coffee and Warren counties); Laura Willis, Zone 2 (Franklin, Grundy and Marion counties); Buford Jennings, Zone 3 (Moore and Lincoln counties); John Moses, Zone 5 (Marshall and Giles counties); and Bob DuBois, Zone 6 (Maury, Hickman, Lawrence, Lewis and Williamson counties) were returned to the Board of Directors by acclamation vote.

Barry Cooper is the new chairman of the DREMC board of directors. Representing Zone 4 (Bedford and Rutherford counties), Cooper is a Shelbyville businessman who has served on the board since 2002. Other officers are Jennings, vice chairman; Moses, treasurer; and Willis, secretary.

“Eighty Years of Light” was the theme of this special DREMC anniversary meeting. Speakers looked to the past and future as they marked the progress logged since a group of rural residents banded together in 1936 to start a member-owned, nonprofit electric utility dedicated to “area coverage.”

Tennessee Farm Bureau President Jeff Aiken welcomed co-op members when the business session started. Tennessee is the largest state Farm Bureau in the nation, with roots going back to 1921. He noted that Farm Bureau organizations played an important role in the electrification of rural America.

“In the 1930s, when efforts started across the U.S. to launch electric cooperatives, Tennessee Farm Bureau helped groups of farmers and rural residents organize and network with the Rural Electrification Administration (REA) to get their new utilities off the ground,” said Aiken.

“Tennessee Farm Bureau has always been dedicated to lobbying for the betterment of its membership. Advocating for rural electrification was certainly in keeping with this commitment.”

Board Chairman Brent Willis credited DREMC’s 80 years of uninterrupted and successful existence to member ownership, nonprofit operation and local control.

“When I look out at the faces in this morning’s audience, I see owners, not customers,” Willis said. “This

is the key difference between us and other types of electricity providers. I believe it is the main reason for our strength and longevity.”

He noted DREMC’s growth since 1936, from 460

members to today’s 73,000-plus. DREMC’s first REA loan for system construction was for \$379,000.

Naysayers and critics predicted the loan would never be paid back. They were proven wrong many times over.

“Last year, we paid more than \$2.5 million in property taxes in our service area” Willis added.

“That’s 6.5 times the amount of money borrowed from REA to start building the co-op! Today, we are the fifth-largest electric cooperative in Tennessee and among the 50 largest in the nation.”

President and CEO Michael Watson in his remarks compared the lighting of the countryside by electric co-ops to a modern-day challenge: broadband connectivity for rural homes, farms and businesses. He said broadband is an economic development issue, just like rural electrification was in the 20th century.

“The Duck River board of directors has charged me with exploring what we can do to help facilitate the expansion of broadband across our service territory,” Watson said. “It is certainly an issue affecting the quality of life of our members.”

Watson also explained DREMC’s commitment to community. He said programs like Project Help and Weatherization Wizards are ways to give back and help those in need.

Demand response programs like Beat the Peak™ and Conservation Voltage Reduction (CVR) benefit all co-op members by reducing the effect of peaks (highest demand for wholesale electricity), when the cost of power can skyrocket to \$9.50 per kilowatt-hour, Watson pointed out.

Treasurer John Moses said DREMC is financially strong, with assets of more than \$238 million and total income of more than \$179 million. Revenue was down in fiscal year 2016 due to a warmer winter. Moses noted that the co-op maintains a healthy equity ratio of 42 percent.

The cost of purchased power from TVA represented 78 cents of every dollar paid to DREMC by members in fiscal year 2016.

Door prizes were awarded after the business session. The grand prize went to Ms. William Morris Dickens of Bell Buckle, who took home several STIHL lithium-ion, battery-powered yard care tools, including a rechargeable electric mower.



Elected to serve three-year terms on the DREMC board of directors were, from left, Laura Willis, Baxter White, Buford Jennings, John Moses and Bob DuBois.



Members were greeted by registration workers who were eager to help verify membership.



2016 Washington Youth Tour winners were recognized for their accomplishments and expressed their appreciation for this opportunity.



Membership gifts included an 80th anniversary cookbook or a special edition DREMC cap.



Ms. William Morris Dickens was the grand-prize winner of the lawnmower package with several STIHL lithium-ion battery-powered yard care tools, including a rechargeable electric mower.



Members in attendance enjoyed visiting with DREMC employees and learning more about the cooperative and the many programs available for them.



Jeff Aiken, Tennessee Farm Bureau president, welcomed the co-op members to the 80th annual meeting.

ALERT TODAY, ALIVE TOMORROW: HEADS UP FOR FARM SAFETY



Stay safe around downed power lines. Consider all lines, equipment and conductors to be live and dangerous.



If the vehicle is on fire, or you must exit for other safety reasons, follow these steps:

1. Jump clear of the vehicle. Do not let any part of your body or clothes touch the ground and the machinery at the same time.
2. Land with feet together and hop away in small steps to minimize the path of electric current and avoid electric shock.
3. Keep going until you are at least 40 ft. away.
4. Call for help. Make sure no one gets within 40 ft. of the downed line.
5. Do not re-enter the area or vehicle until emergency responders and your electric co-op crews determine it is safe.

Farmers urged to use caution this harvest season

“H eads Up for Farm Safety” is a program important to electric cooperatives like Duck River EMC. Being aware of the proximity of high-voltage lines in and around fields where harvesting operations are underway could prevent life-threatening accidents and the loss of expensive machinery.

Almost every year, DREMC line crews respond when farm equipment makes contact with power lines. Not only do these accidents produce outages, but tractors, combines and other machinery have been destroyed, and people have sustained injuries.

“The size of modern harvesting machines, boom sprayers and other types of equipment increases the need for

operators to be careful around poles and lines,” says Steven Hopkins, DREMC’s safety coordinator.

“Contact accidents can happen while transporting or driving the machines on public roads or in the fields. We want operators to take a ‘heads-up’ approach whenever farm equipment is close to power lines.”

DREMC lines were engineered and installed to meet certain clearances. But farm machinery today is larger than ever before. This can make operation a challenge, especially in smaller fields, on uneven terrain or in tight places.

“The best advice is to look up and be aware of what’s close to your machine,” Hopkins says. “Don’t risk getting snagged on a line or tearing down a pole.”

Degree days higher for 2016 summer months

A string of high temperatures caused August electricity use to increase as air conditioners worked overtime. This meant higher electric bills for most DREMC members for the third straight month. Cooling degree days — a measurement of how long the outside air is above a certain level — exceeded the average for August. In fact, degree days recorded this summer were greater than those over the past two years:

June: 2016, **438** cooling degree days; 2015, **393**; 2014, **393**; normal **318**.

July: 2016, **549** cooling degree days; 2015, **499**; 2014, **372**; normal, **443**.

August: 2016, **523** cooling degree days; 2015, **387**; 2014, **460**; normal, **406**.

Holiday Foods Programs return in November

Ann Throneberry, retired Duck River Electric Membership Corporation home energy specialist, will be back in November for her highly anticipated Holiday Foods program.

Each attendee will get a glimpse of holiday entertaining ideas, receive a booklet of recipes and enjoy a

festive food display. Throneberry will share ideas for using your electrical appliances.

Please join her for these special presentations, and get your holiday planning off to a great start!

As always, there is no admission fee, and no reservations are necessary.

Bedford County

Tuesday, Nov. 1
10 a.m. and 7 p.m.
DREMC Auditorium
Shelbyville

Moore County

Thursday, Nov. 3
10 a.m.
Lynchburg Masonic Lodge
Lynchburg

Franklin County

Friday, Nov. 4
10 a.m.
Agricultural Extension Service Office
Winchester

Coffee County

Monday, Nov. 7
10 a.m.
Manchester-Coffee County
Conference Center
Manchester

Marshall County

Monday, Nov. 7
6:30 p.m.
Chapel Hill United Methodist Church
Chapel Hill

Marshall County

Thursday, Nov. 10
10 a.m.
Church Street Church of Christ
Lewisburg

Giles County

Monday, Nov. 14
10 a.m.
Pulaski Recreation Center
Pulaski

Maury County

Tuesday, Nov. 15
6:30 p.m.
Highland Church of Christ
Columbia



Ann Throneberry is joined by her favorite taste-testers, granddaughter Harper and husband Randy.

TVA, DREMC rate adjustments start Oct. 1

Rate adjustments will go into effect Oct. 1 for Duck River Electric Membership Corporation residential members. In addition, the Tennessee Valley Authority will implement a wholesale rate increase.

For residential services less than 225 amps, DREMC will increase the customer access charge by \$2 per month to \$26, with a corresponding reduction in retail electricity rates to make the adjustment revenue-neutral.

For residential services greater than 225 amps, DREMC will increase the customer access charge by \$2 per month to \$31, with a corresponding reduction in retail electricity rates.

These adjustments, which also affect commercial rate classes, are the continuation of a program to raise monthly access fees on an annual basis while lowering the actual cost of power to align more closely with TVA's wholesale rate structure.

"This means most of our distribution costs will be financially recovered through the access charge, thus

making us less vulnerable to the effects of very high and low temperatures," explains Michael Watson, DREMC president and CEO. "Concerning energy use, our co-op members will pay nearer the actual cost of power generation and transmission from TVA."

Rate adjustments were made in several commercial classes, but these, too, are revenue-neutral for DREMC.

In addition, a time-of-use (TOU) pilot rate was approved for GSA 2 and GSA 3 accounts. This "opt-in" schedule provides an incentive for shifting use from on-peak to off-peak hours.

"Not all eligible commercial-and-industrial accounts will be able to move their power use off-peak, but those who can could see significant savings in demand charges," said Watson, adding that DREMC will reach out to businesses and industries to explain the TOU pilot rate.

The TVA board of directors in September approved a 2 percent hike in the wholesale cost of power. This translates to approximately 1.5 percent retail and will be reflected on electric bills of DREMC members.

Broadband meetings, data collection underway

State law prevents electric cooperatives from providing retail broadband service. But several Tennessee co-ops are looking for ways to help improve connectivity in their service areas.

Duck River Electric Membership Corporation, with the help of a consultant, has begun to evaluate broadband needs through a series of meetings with community and business leaders. This effort will be followed by a survey of the co-op membership.

DREMC has contracted with Magellan Advisors to collect data, compile a report on current levels of connectivity and explore ways to bring broadband to unserved and underserved rural areas.

The DREMC board of directors has approved a feasibility study for a fiber-optic loop connecting the Shelbyville Headquarters with each substation, office and critical facility, including the backup emergency operations center at the Columbia District office.

The goal of the proposed three-year project is to increase the volume and reliability of data transfer, improve system operation and reliability and reduce operating costs.

However, the co-op's digital communication plan could also dovetail with efforts to increase connectivity in rural areas.

"Our fiber requirements would still leave a lot of capacity that could be used to proliferate broadband," says Patrick Jordan, DREMC's director of operations. "School systems, businesses and industries might be able to satisfy their need for greater connectivity by using the infrastructure we erect for our own operational purposes."

This would be a first step but with no guarantee of wider availability of broadband service to homes.

"If the robust basic infrastructure is available, things might begin to happen," Jordan added. "We would hope this opens doors a little so the issue of rural broadband connectivity can begin to be addressed."

To take the broadband survey, go to www.dremc.com.

Gore joins Manchester District



Mitchell Gore

Mitchell Gore joined Duck River Electric Membership Corporation's Manchester District as an apprentice lineman on Aug. 10. The Coffee County native grew up in Tullahoma, graduating from Tullahoma High School.

He then attended Trevecca Nazarene University in Nashville and completed industrial electricity training at Tennessee College of Applied Science in Shelbyville.

Prior to joining DREMC, he was employed with T&D Solutions, performing electrical contract work, and also worked for the Tullahoma Utilities Board in the Water Department.

Gore enjoys riding motorcycles, working out, going to the river and lake and spending time with family and friends. He is also an avid fan of the University of Tennessee Volunteers.

Calendar of Events



Oct. 1
Halls Mill
Sorghum Squeeze,
Halls Mill
Contact:
615-418-8647



Oct. 15-16
Webb School Art
and Craft Festival
Bell Buckle
Contact: 931-389-9663 or
bellbucklechamber.com

Harvesting

FUN

*Johnny and Thelma Ring
bring October fun
to their Spring Hill farm*

By Claire Sellers

Many Tennesseans anticipate October. The month marks the end of hot, humid summer days and the building excitement of football season. Ring Farm owners Johnny and Thelma Ring, Duck River EMC members, look forward to October as the month when all of their hard work pays off.

For the Rings, October is the apex of their agricultural tourism season.

Located in Spring Hill, Ring Farm is an attraction that brings people from as far away as Ohio in addition to friends and neighbors from across Tennessee.

Beginning with a corn maze more than 12 years ago, Ring Farm has expanded to include a miniature maze for the smaller visitors and a farm playground that features a jumping pillow, 40- and 60-foot slides, a tractor tire mountain, walking beams swings, a spider-web rope obstacle course and climbing wall. There are also paintball battles during the day and zombie paintball at night.

Barnyard animals and more exotic critters are part of the attraction, too.

Though the animals can't be petted, visitors can admire the goats, llamas, horses, miniature donkeys, sheep — and a pig.

Want something scarier and more in keeping with Halloween? The Ring Farm offers “haunted hay rides” after 7 p.m. on a loop through the back fields, with plenty of opportunity to be “spooked” along the way.

“Kids love zombies,” says Thelma. “This will be the first time that we offer a zombie hay ride. We converted four cotton wagons into our zombie hayride (transport).”

Paintball guns are attached to the wagons, allowing visitors a comfortable place to sit while shooting zombies during the ride.

“Each year we have an idea for a new attraction, and that idea usually becomes a reality,”

says Johnny. “Kids are always changing their interests, so we have to keep coming up with new things on the farm to entertain them.”

Ring Farm also sells pumpkins and gourds, and at the concession stand, hotdogs, hamburgers and hot chocolate are favorites during the cool evenings.

Farming is in Johnny's blood. He grew up on a farm in Maury County, so he is no stranger to hard work. Along with the agricultural tourism, Johnny continues to farm more than 600 acres.

“We love seeing the kids enjoy our farm,” says Thelma. “They get so excited. They are often completely worn out by the time they leave.”

Open in October on Fridays from 4 p.m. to midnight, Saturdays from 10 a.m. to midnight and Sundays, 2 p.m. until midnight, Ring Farm has something for all ages. Group or private reservations can be made in advance. Visit www.ringfarm.com for more information.

Ring Farm will host a Relay for Life event at 9 a.m. on Saturday, Oct. 15, to honor Louise, their daughter who passed away from cancer. Call 931-486-2395 to register for the event.



Kids enjoy the attractions at the Ring Farm in Spring Hill. This year's attractions include zombie paintball and a corn maze.

Duck River Electric Membership Corporation

Get Ready for 2016 Holiday Foods! Next month, retired DREMC home energy specialist Ann Throneberry will return for her highly anticipated Holiday Foods programs. A schedule can be found on page 24 of this publication. Please join us for these special presentations. As always, there is no admission fee, and no reservations are necessary.



A Touchstone Energy Cooperative



Don't watch? Don't pay!

Introducing **Flex Pack**, a skinny bundle with **50+** popular channels.



Want More?

Add **Channel Packs** for only **\$10/mo.** each
First Channel Pack **Included!**

National Action Channel Pack

... and many more!

Variety Channel Pack **\$6!**

... and many more!

Kids Channel Pack

... and many more!

News Channel Pack

... and many more!

Locals Channel Pack

... and many more!

FREE **HBO** **CINEMAX** **FOR 3 MONTHS.** Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FREE **SHOWTIME** **STARZ**

FREE **HD** for life

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service + High-Speed Internet

Internet prices starting at: **\$14.95**

Restrictions apply. Subject to availability.

\$39.99 Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • SE HABLA ESPAÑOL



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends 10/27/16. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$39.99 advertised price: Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. Available with 2-year price guarantee for additional cost: Programming package upgrades (\$54.99 for AT120+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. Premium Channels: Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. Other: All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. Visa® gift card must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash





408 College St. W.
P.O. Box 120
Fayetteville, TN 37334

931-433-1522
Toll-free: 1-800-379-2534
Website: www.fpu-tn.com

Office Hours:

Monday - Friday
7:30 a.m. - 4:30 p.m.

Dispatch Hours:

Seven days a week
24-hour emergency
response

**To make doing business
with FPU more convenient, we
offer the following
services:**

- energy right® Programs
- eScore Program
- Bank Draft
- SmartHub
- Budget Billing
- Project Help
- Delayed Payment
- Medic Alert
- Security Lights
- Electric and Natural Gas Grills
- Natural Gas Space Heaters, Logs
and Mantels
- Cable TV
- High-Speed Internet
- Phone Service

Call the FPU
Customer Service
Department for details
at 931-433-1522.

Follow us on Twitter
www.twitter.com/FPUTN

Remembering why we move over

Tennessee’s Move Over Law is not a new piece of legislation. In fact, the original Move Over Law for our state passed in 2006, and it requires motorists to move over into the adjacent lane of traffic when safe to do so or, alternatively, to slow down for emergency vehicles.

In 2011, the law was expanded to also protect utility service crews and equipment from passing motorists.

Tennessee’s Move Over Law was established to protect those who protect and serve us as public employees. Included but not limited to this group of emergency workers are police, firefighters and other emergency personnel like ambulance, wrecker and utility workers.

Here in Tennessee, the penalty for violating the Move Over Law is a maximum fine of up to \$500 and possibly up to 30 days in jail. But the harshest penalties are the tragic outcomes and “near misses” that result when motorists fail to move over and create a safety zone for emergency and utility workers alike.

Over the years, we’ve heard about many police officers and highway maintenance workers being injured or killed while on their jobs assisting others — struck by passing motorists who neglected to slow down or move over.

In our community of utility workers, there are countless stories of close calls and injuries due to motorists failing to move over when

passing crews as they worked alongside the road.

At a neighboring utility, an employee was struck by a passing vehicle, thrown onto the hood and windshield of a passing car and then into the air. The accident required major surgery to the utility employee’s ankle and foot, requiring pins, screws and a 6-inch rod.

Another story tells of a motorist crashing just behind an electric crew’s bucket truck, almost hitting the two servicemen on the jobsite.

Others tell of how closely vehicles drive to their work areas, hitting the safety cones and clipping their trucks’ supporting outriggers.

Many times, FPU’s electric, gas, water and wastewater maintenance crews must work in the middle of the street or along sidewalks to repair

utility lines. Their close proximity makes them vulnerable to motorists who are distracted and do not yield to the law.

I strongly urge you to remember the Move Over Law and use extreme caution when passing emergency and utility crews in our community and elsewhere. Our jobs, by nature, place us in dangerous situations as we work on electric and telecom wires and buried gas, water and wastewater lines. The work our crews do places them in even more dangerous situations when they must work beside passing traffic.

Please help keep our crews safe as they work to provide safe, reliable utility service to you and your family.



Britt Dye
CEO/General Manager



FPU receives Award of Excellence



From left are Mayor Jon Law; FPU directors Paul Richardson, Micky Lawson, Michael Whisenant, Glenn Oldham, William Hurd and Janine Wilson; Caryl Giles, representing the American Water Works Association; FPU CEO and General Manager Britt Dye; and FPU Water Treatment Plant employees David Posey, Lee Bean, Lee Williams, Mike Mitchell and Mike Rozar. Not present is Russ Dixon, FPU board member.

Fayetteville Public Utilities' Water Treatment Plant was honored recently for its efficient and safe operations. The local water plant and its employees received the American Water Works Association's (AWWA) Award of Excellence for plant operations in the small water plant category.

This particular award is presented to one water plant each year representing the Kentucky and Tennessee regions. FPU's was the only Tennessee water plant in 2016 to win such an award.

Caryl Giles, water plant superintendent in Spring Hill and a member of AWWA's Kentucky/Tennessee regional award selection committee, was at FPU's July board meeting to present the award before the utility's directors, management and water plant employees.

"We are proud of this award because it is given by fellow operators and the AWWA," said FPU CEO and General Manager Britt Dye. "These are the people who set the standards, and to be able to achieve these high standards takes much hard work."

AWWA honors are awarded by a committee that selects deserving recipients based on meeting all

federal drinking-water standards as well as excelling in the business of producing safe water for its customers. Members of the committee visit water plants across the region to review plant reports and documentation to ensure no violations or pending violations apply. Other categories for award consideration include corrosion control methods, cross-connection control programs, operations records, maintenance programs, professionalism, safety and security, emergency preparedness and innovative technologies.

"This is a very thorough evaluation of the plant and personnel," said Dye. "This is FPU's first time to receive this award, so we are pleased with how well our plant improvements, operator training and water-quality monitoring measures have led us to excel."

"I appreciate our employees' commitment and dedication to ensuring the safety and quality of our drinking water," says Dye.

The AWWA is the largest organization of water professionals in the world and works to advance public health, safety and welfare by uniting the efforts of the full spectrum of the water community.



Follow us on Twitter!

Follow Fayetteville Public Utilities on Twitter to keep informed of news and details relating to FPU and your utility services. Find us at FPUTN.

Electric upgrades boost capacity in rural areas

We understand how important service reliability is to our customers. This is why Fayetteville Public Utilities has an ongoing system maintenance and upgrade program in place to help us monitor community growth and how it affects our electric load changes and service reliability.

This summer, FPU upgraded three miles of conductor from single-phase line to three-phase line along Walker Creek, Rush and Fowler roads. Included in this upgrade were the installation of approximately 65,000 feet of new conductor, more than 40 wooden poles plus replacements of crossarms, hardware and several transformers.

Other rural areas included in FPU's plans for upgrades are West Lincoln Road and Scott Orchard Road.

System upgrades like these provide more capacity to further enhance service reliability and address additional load on the system due to residential and/or commercial growth.

"We have always encouraged and supported community growth," says FPU CEO and General Manager Britt Dye. "As our communities grow and new homes and businesses are built, we must make sure that FPU's utility infrastructure is equipped to provide safe and reliable services."

"With ongoing plans to improve and expand the utility and customer services we offer, FPU continues to



position ourselves to be able to meet our customers' needs for the future while enhancing the service they receive from us today. Whether it's replacing utility infrastructure or improving technology and bill payment services, FPU's goal is to always support our community and care for our customers."

Fayetteville Public Utilities will be closed
Thursday and Friday, Nov. 24 and 25, for the Thanksgiving holiday.
If you need to report a leak or outage, please call FPU at 931-433-1522.
Dispatchers and service crews will be available during the holiday to assist you.

Electric transition rates turn to winter rates in December

October and November are transition rate months for all electric consumers in the Tennessee Valley Authority area, which includes Fayetteville Public Utilities' customers.

The seasonal and transition month rates, implemented in April 2011, created a more direct and more timely reflection of electric rates during the year when TVA can be most effective using its lower-cost resources like hydroelectric, coal and nuclear to meet the demand for electricity. When demand is lower — in the spring and fall — the cost of producing energy is naturally lower. During peak electric use months, winter and summer, TVA must use its natural gas-fired power plants and purchase additional power from other generators to meet

the demand. These are the most expensive ways to produce power.

The transition months of October and November allow TVA to bill customers for the lower costs of power production as the energy demand decreases during cooler temperatures. Fall transition electric rates begin Oct. 1 and remain in place through Nov. 30. Please note that TVA's total monthly fuel cost amount will continue to change monthly.

Winter rates will be in effect from Dec. 1 through March 31. Both the seasonal rates and fuel cost changes are pass-through amounts from TVA to FPU customers.

Visit FPU's website at www.fpu-tn.com for complete details on electric rates as they reflect the seasonal rates and total monthly fuel cost changes.

Avoid a surprise cold spell!

Call for your Free Fall Light Up

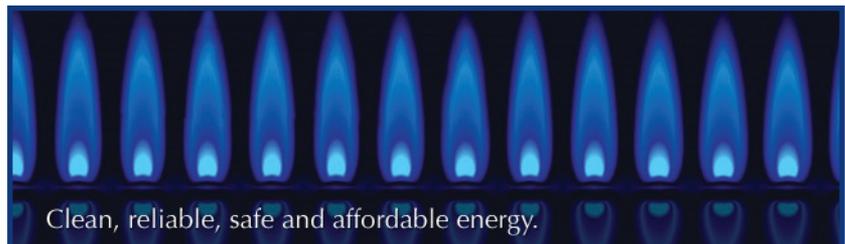
If you have natural gas service in your home, you'll want to call Fayetteville Public Utilities this month for the Free Fall Light Up of your natural gas heating equipment, including space heaters, gas log inserts and fireplaces.

Not only does the early light-up program help FPU's Gas Department plan for more convenient fall and winter service calls, it also ensures that your pilots are lit early to avoid being caught off-guard with an early cold spell.

In addition to the convenience, scheduling a qualified FPU serviceman to light the pilots of your natural gas heating equipment helps ensure your family's safety.

We want you to enjoy the comfort and convenience of using natural gas to heat your home this fall and winter.

Don't forget! If you need to replace a natural gas heater or fireplace, come to FPU first to see the wide variety of quality products we sell at great, hometown prices.



**Call FPU today at 931-433-1522
to schedule your early fall light up.**

Meet FPU's new youth board

Fayetteville Public Utilities recently welcomed seven local high school seniors who will serve on the 2016-2017 Student Utility Board (SUB).

This year's FPU youth board members are Will Clark, Kate Parkes and Erin Wakefield from Fayetteville High School; Anna Belle Bradley, Calley Raby and Ben Robinson from Lincoln County High School; and Jim Hammons from Riverside Christian Academy.

The SUB meets each month during the school year at FPU to learn about utility operations, customer service and community outreach. Monthly meetings focus on the different departments of FPU and include opportunities for the youth board to tour an FPU electric substation, natural gas gate station and telecom headend facility. Students will also visit FPU's water and wastewater treatment plants and will be interviewed for FPU's Channel 6.

The youth board gathered for its first meeting on Aug.

11 at FPU's West College Street location for an orientation and overview of FPU and the Student Utility Board program. During the day, they met FPU CEO and General Manager Britt Dye, Manager of Finance and Office Services Kim Posey, Executive Assistant Katie Burk, Human Resources and Personnel Clerk Missy Neely and

other utility supervisors and employees while touring the facility.

"Our Student Utility Board members not only learn about what we do as a utility, but they also become a part of who we are," says Dye. "These students serve as youth representatives of Fayetteville Public Utilities at various utility-sponsored and community events including the Lincoln County Fair, Harvest of Hope Food Drive and Lincoln County Heart Walk."

"We are excited about the opportunities this program offers our youth as they learn about FPU from the inside-out."

Britt Dye



At top, from left, FPU's CEO and General Manager Britt Dye welcomes the 2016-2017 Student Utility Board: Calley Raby, Anna Belle Bradley, Jim Hammons, Ben Robinson, Will Clark, Erin Wakefield and Kate Parkes. Above left, Dye and Kim Posey welcome the youth board and explain how each FPU department works together to serve the community. Above right, FPU's Chris Howell, warehousing coordinator, stresses the importance of warehousing materials for daily utility construction and having enough on hand in case of storm damage or major leaks.

FPU's Student Utility Board program includes a \$500 scholarship that is awarded to one youth board member in May based on successful completion of qualifying criteria.

"Through the Student Utility Board program, students not only learn about our daily operations but also about some of the current issues that the utility faces, including utility construction, cost of providing service, enhanced technology and outage management," says Dye. "These are some of the same issues that our regular seven-member board of directors discusses."

"The Student Utility Board program has proven to be of great service to the utility, to the students and to the community," says Dye. "These students are our utility customers and our future community leaders. It is important for them to gain firsthand knowledge about the services FPU provides and how we help the community grow."

"We look forward to working with the new members of our Student Utility Board," he adds, "and we are excited about the opportunities this program offers our youth as they learn about FPU from the inside-out."

Watch TV Everywhere with FPU

Never miss another sporting event or episode of your favorite show! Take them with you wherever you go. It's easy, convenient and free with Fayetteville Public Utilities'

Watch TV Everywhere* service.

With FPU's Watch TV Everywhere, you can watch cable TV programming on mobile and handheld devices as long as you have a quality wired or wireless signal from your internet and/or smartphone service provider.

You can access Watch TV Everywhere on any of the following:

- Desktop computer
- Laptop computer
- iPad
- iPhone
- Android and similar devices

Call FPU first to activate your Watch TV Everywhere service. Activation can take 24 to 48 hours. Next, visit FPU's website at www.fpu-tn.com for a helpful step-by-step video instruction that walks you through the simple registration process for Watch TV Everywhere.

Call FPU today at 931-433-1522 for more

information, and make sure you catch the next big game or event wherever you are!



** Must be an FPU cable customer with a minimum service subscription of Basic Plus, channels 2 - 95.*



Why wait?

Get the gas fireplace you've been wanting for years.

FPU can make it easy and affordable!

Come by the Fayetteville Public Utilities showroom to see for yourself the great deals you can get on quality gas heating products.

We stock a wide selection of vent-free products, including gas logs, mantels, fireplace kits and space heaters. Whatever your style — traditional or modern — FPU has something for everyone.



Open

Monday - Friday, 7:30 a.m.-4:30 p.m.
408 W. College St. ~ Fayetteville

Griner elected to second term with TGA board

Randall Griner, gas operations superintendent with Fayetteville Public Utilities, is serving a second term as a director on the Tennessee Gas Association (TGA) board.

Griner has been employed at FPU for 23 years and has helped lead the way for many natural gas system expansions in Lincoln County. Over those years, Griner has helped the gas system grow from 4,140 customers in 1993 to more than 6,900 customers currently.

“Natural gas construction moved quickly in the mid to late 1990s,” remembers Griner. “As natural gas prices became more affordable, construction and system growth picked up again in 2010 and continues to bring natural gas services to those who live in rural Lincoln County.”

TGA announced its officers and board of directors during its 54th annual meeting attended by 250 natural



Randall Griner

gas industry professionals from across Tennessee.

Griner was first elected to the TGA board of directors in 2011 to serve a three-year term as one of the representatives from the southern Tennessee region. He is now serving a second term as a director.

TGA is a natural gas state association composed of 400 members — municipal gas systems, utility districts, gas authorities, private and public gas companies, pipelines, gas marketers, affiliated members and housing authorities — representing approximately 10,000 Tennessee employees serving the natural gas industry with more than 1.2 million customers and 32,000 miles of distribution line.

TGA was established in 1962 to enhance the overall performance, safety, competitiveness and public awareness of the products and services offered by the natural gas industry and its distributors, including FPU.

Chase away the darkness FPU offers affordable outdoor security lighting



In 2012, more than 2 million burglaries were reported to the police in the United States. Of those burglaries, some 50,000 were reported in Tennessee.

Security lighting is often used as a preventive and corrective measure against intrusions, theft or other criminal activity. Some use security lighting to aid in the detection of intruders, to deter intruders or, in some cases, to increase the feeling of safety at home or place of business. Others simply think of a security light as a spotlight for the driveway, shrubbery and yard.

Outdoor security lighting comes in many shapes and sizes — from the very basic to the most elaborate application. Fayetteville Public Utilities offers the standard outdoor pole attachment lighting to help illuminate your yard, driveway, home, parking lot or business location.

From our most popular 100-watt high-pressure sodium light to our 1,000-watt commercial-grade security light,

FPU has what you need for basic outdoor security lighting. Security lights from FPU are designed for energy efficiency. Using photocell technology to control the light's automatic operation, the lights come on at dusk and go off at dawn — providing light only when needed.

FPU offers two types of lights: the mercury vapor light and the high-pressure sodium.

FPU's security light rental program is simple. If you have an existing electric pole with an energized transformer on your property where the light can be installed, the installation is free. The monthly rental fee is added to your electric bill. Monthly rental fees vary* depending on the size of light you install.

For more information about the FPU outdoor security light program, please call our Customer Service Department at 931-433-1522.

* Monthly rental fees also vary slightly each month depending on the amount of TVA's total monthly fuel cost adjustment.

Save your energy dollars from slipping through the cracks

You wouldn't walk outdoors during cold winter months without a coat, would you? So why not properly insulate your attic? Sealing and insulating your home to efficient levels can cut your heating and cooling costs by an average of 15 percent. Read energy expert Patrick Keegan's column on page 27 for more information.



MOVE OVER

for utility workers in Tennessee. It's the law.

Most infrastructure for Fayetteville Public Utilities runs along city streets and county roads. During utility repairs and construction, crews often work alongside passing traffic, which can be very difficult and sometimes dangerous.

Tennessee's Move Over Law mandates a safety zone for all utility workers and emergency personnel.

When utility, law enforcement or emergency service crews are on the side of the road, motorists should move over and use the next traffic lane for our crews' safety. If it's not possible to move over, please slow down and use extreme caution when passing utility work zones.

Move Over. Save a Life.
And remember...it's the Law!



moveovertennessee.com

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Forked Deer Electric Cooperative

P.O. Box 67
Halls, TN 38040

Office Hours:

Monday-Thursday
7 a.m.-5 p.m.

Staff

Jeff Newman, General Manager

Mary Blake, Office Manager

Trenisa Anderson, Cashier

Jay Burress, Operating Line

Superintendent

E.W. Baggett, Journeyman Lineman

Johnny Biggs, Journeyman Lineman

Morgan Bowser, Apprentice

Lineman

Jimmy Buckner, Apprentice

Lineman

Kathy Cherry, Head Cashier

Kevin Fair, Work Order Clerk

Rosalind Green, Member Services

Representative

Kenneth Hankins Jr., Groundman

Bubba Humphreys, Line Foreman

Cody Hutchison, Apprentice Lineman

Madison Laster, Apprentice Lineman

Kelly Mayo, Accounting Clerk

Ross Norrid, Equipment Operator

Chad Paris, Journeyman Lineman

Nelda Kay Ray, General

Accounting Clerk

Keven Reece, Utility Person

Holly Saliba, Cashier/Receptionist

Tyler Selph, Journeyman Lineman

Brad Stafford, Apprentice Lineman

Andrea Tims, Billing Clerk

Stephen Turnbo, Apprentice Lineman

Brian Vaughn, IT Supervisor

Molly Weatherly, Cashier

Chance Williams, Apprentice

Lineman

Donald Williams, Meter Tech/

Collections

Mark Yeager, Engineering Aide

Board of Directors

Keith Warren, President

Lynn Burnett, Vice President

David Walker, Secretary-Treasurer

Wally Childress

Ronnie Fisher

Mike Harris

Ronnie Roberts

Joe Smith

Ron Weir

Mark D. Johnston, Attorney

AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

Every October, cooperatives from all sectors across the country celebrate National Cooperative

Month to recognize the cooperative difference and remind you, the members of the co-op, about Forked Deer Electric Cooperative's purpose.

I must admit that occasionally, I, too, have been somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

National Cooperative Month informs others about our unique business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members who are familiar with the principles, the month of October is a great opportunity to renew our connection to each other and the purpose of our co-op.

In the U.S., more than 29,000 co-ops serve in every single industry. Many co-ops from different sectors join together during the month of October to educate

members in the community about cooperatives.

There are more co-ops in our local community than most people realize: credit unions, Ace Hardware, True Value and farmers co-ops. Cooperatives such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more are even represented on the shelves at our local grocery stores.

According to the latest data, more than 130 million people in the

U.S. alone belong to co-ops, and cooperatives employ more than 2 million Americans.

This speaks to the heart of why we must take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops right here in our local community and be an active member of Forked Deer Electric Cooperative.



Jeff Newman
General Manager,
Forked Deer
Electric Cooperative

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

From the front lines to power lines

Electric co-ops care about veterans

By Anne Prince

Electric co-ops have long had a special affinity for veterans, perhaps because they are both so closely aligned in outlook, focusing on service, mission and country. Maybe it's because a disproportionate number of veterans come from rural communities and return to their hometowns following active duty. Or maybe it's due to the shared work ethic of teamwork, cooperation and a "get it done" attitude. Most likely, it is all of these.

Network of caring

At Forked Deer Electric Cooperative, we are among the more than 900 electric co-ops across the country to support and honor our nation's veterans of all generations. We are grateful to have veterans within our ranks, and we are proud to serve veterans and their families within our local community.

We are not alone in our efforts to honor and serve veterans. As part of our national network of electric cooperatives spanning 47 states and covering 75 percent of the nation's landmass, there are countless programs that our family of co-ops has initiated. At the national level, we support *Serve our Co-ops*; *Serve Our Country*, a nationwide initiative aimed at employing and honoring veterans, military service members and their spouses. This program came with a great vision of forming a national coalition with the shared goal of hiring veterans into co-op jobs across rural and suburban America and setting them up for success in their local communities.

As part of a co-op veteran outreach effort, America's electric cooperatives are working closely with federal partners, including the Department of Energy, Department of Labor, Department of Defense, Veterans Administration, labor unions and other trade associations on an industry-wide veteran-hiring project, The Utility Workforce Initiative. Together, these groups are establishing a national employee resource group, Veterans in Energy, which will launch later this year to provide transition,

retention and professional development support to military veterans working in the energy industry.

Many programs, one purpose

At the local level, electric co-ops across America have created their own programs tailored to the unique needs of their community. For example, in the Bluegrass State of Kentucky, Pennyrile Electric Cooperative printed more than 10,000 "thank you" cards that members signed and were later delivered to troops on active duty in nearby Ft. Campbell.

Many electric co-ops sponsor "Honor Flights," enabling veterans from the Korean conflict and WWII to visit war memorials in Washington, D.C., at no charge. In the small town of

Fort Dodge, Kansas, Victory Electric Cooperative partnered with the local VFW to create the Vittles for Vets program aimed at stocking the food pantry at the Fort Dodge Soldiers Home. Many of the veterans living there and in surrounding communities are on limited incomes, and the food pantry helps the veterans meet basic needs.

Other co-ops forge strong partnerships with the military bases in their service territories. In Wyoming and North Dakota, co-op leaders and staff serve on military-civilian boards and committees that support activities initiated by their respective bases.

While the activities may differ, a commitment to supporting and caring for veterans is apparent at every electric co-op across this great nation. We at Forked Deer Electric Cooperative are proud to be a part of the cooperative network that honors and supports veterans of all ages, ranks and branches of the military.

Anne Prince writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more

importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air

but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, service arm of the nation's electric co-ops.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- Efficiency can be as much as 2.5 times higher than an electric resistance alternative
- Cool surrounding space in the summer, making the area more comfortable
- Use waste heat from the central furnace during winter months
- May qualify for \$300 Federal Tax Credit in 2016
- Can save \$330 annually for a family of four, depending on water use and electricity rates

CONS

OF HEAT PUMP WATER HEATERS (HPWH)

- Cost about twice as much as electric resistance water heaters
- The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use
- Make the heating system work harder during winter months because it generates cold air while operating
- Physical size of an HPWH can be greater than an electric resistance alternative
- Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump
- Slow recovery may be a problem when demand for water is high

The world turns more energy-efficient

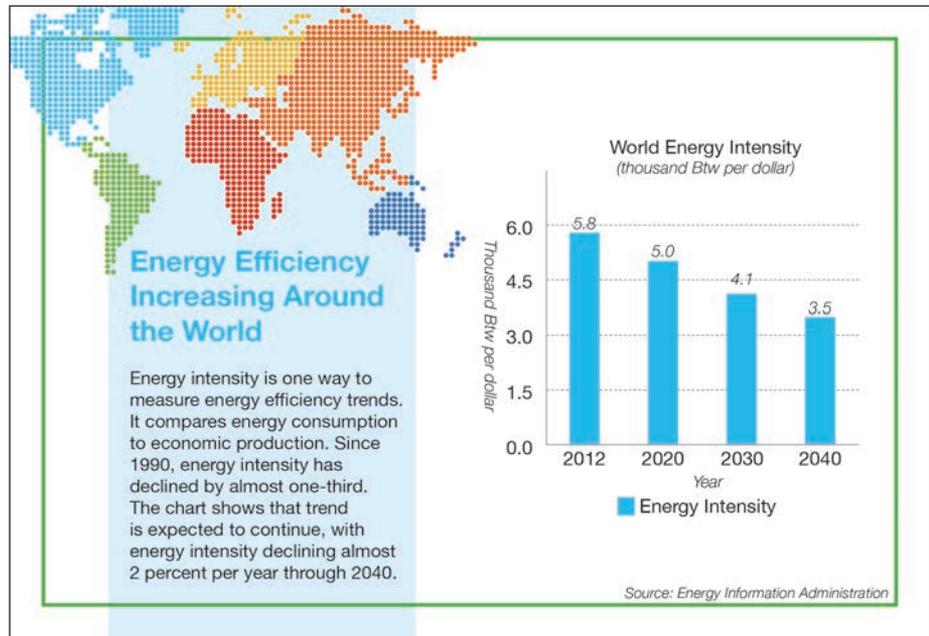
Efficiency trends are expected to continue for decades

By Paul Wesslund

People aren't just talking about energy efficiency. It's actually happening across the globe — and there is a way to measure it.

It's called energy intensity and is calculated by comparing energy consumption to the measure of a country's economic production — its Gross Domestic Product. In other words, energy intensity measures how much energy it takes to produce a dollar of economic activity.

In the past 25 years, energy intensity worldwide has dropped by one-third, says the U.S. Department of Energy's Energy Information Administration (EIA). There can be a lot of reasons for a decline in energy intensity: more efficient lighting options, energy use habits, standards for vehicle fuel economy and building codes and economies based more on services and less on industrial production.



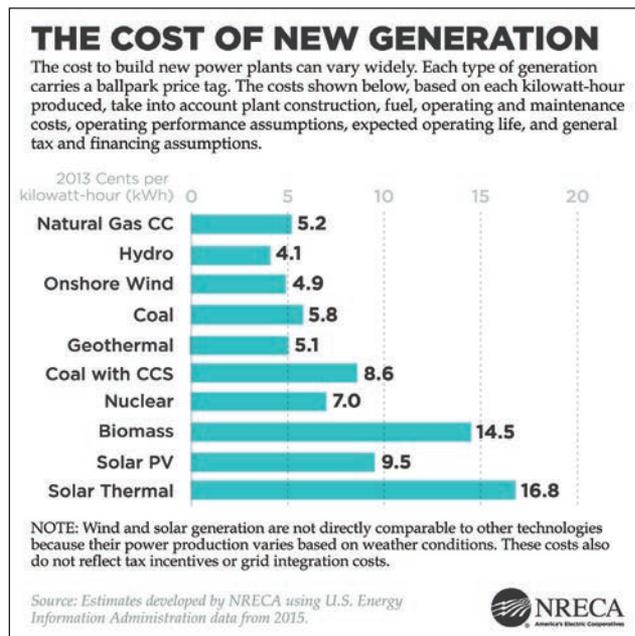
“Energy intensity has decreased in nearly all regions of the world,” says EIA, “with reductions in energy intensity occurring both in the more developed economies ... and in the emerging nations.”

EIA predicts that energy efficiency will continue to improve. The agency's International Energy Outlook 2016 forecasts that over the next 28 years studied in the report, world energy intensity will decline almost 2 percent a year, from 5.8 thousand British Thermal Units of energy for each dollar of Gross Domestic Product in 2012 to 3.5 by 2040.

According to EIA, more economically developed countries tend to have lower energy intensities because they “have transitioned from relying on energy-intensive manufacturing to using more services-based economic activities, which are less energy-intensive.”

EIA says that in 2015, developed economies used 12 percent less energy per dollar than developing countries.

Paul Wesslund writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



New legislation eases UAV flying restrictions

By Dan Riedinger

When it comes to providing our members with safe, reliable and affordable electric service, anything that helps us get the job done more easily and efficiently is welcome news.

Recently, Tennessee's electric cooperatives received just such news from Washington, D.C., in the form of a new law governing the use of unmanned aerial vehicles (UAVs), or "drones," by electric co-ops and other operators of critical infrastructure. Under the law, signed by President Barack Obama on July 15, electric co-ops and other utilities will be able to use drones to more safely and efficiently respond to natural disasters and conduct routine maintenance — with fewer restrictions than in the past.

Drone use is so significant an issue for many co-ops that it has been a major priority for the National Rural Electric Cooperative Association (NRECA), the service organization that in Washington represents the interests of the nation's more than 900 electric co-ops. NRECA said the new law "will enable electric cooperatives to reduce risk for their employees, shorten outage times and save money for their member-owners." It's win-win for everyone.

Specifically, the law for the first time allows co-ops to fly drones beyond the line of sight and during nighttime hours to conduct utility activities that meet federal, state or local regulations and industry best practices for such tasks as utility

right-of-way inspections. Surveillance by drones equipped with cameras can speed safe recovery of power following severe weather by showing where and to what extent transmission lines are damaged. Drones also can be handy tools in vegetation management and routine inspections of critical equipment.

Until now, electric co-ops were limited to using drones during daytime hours and within a direct line of sight. Until recently, drone operators also were required to have a commercial pilot's license, but that constraint was removed by the Federal Aviation Administration (FAA) in June. Operators now can obtain a license by passing a test at facilities approved by the FAA.

The changes to drone use requirements have the potential to make a big difference in reliability and safety efforts. Fortunately, Congress and the president listened to electric co-ops' concerns and removed some major obstacles to expand commercial drone use. Now, electric co-ops across the country can take advantage of this cutting-edge technology if they find it will reap benefits for themselves and their members.

Dan Riedinger writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

HOW ELECTRIC CO-OPS CAN PUT **DRONES** To USE

- Co-ops can assess storm damage when roadways are inaccessible.
- Infrared capabilities can detect hot spots on power lines or in substations.
- Drones are easily maneuvered to show vegetation management needs near lines.
- GPS data can pinpoint areas in the co-op's service territory that need attention.



America's Electric
Cooperatives

ENERGY VAMPIRES ARE LURKING IN YOUR HOME



Save energy in your home by locating energy vampires!
These are the electronics and appliances that consume energy even when they are not being used. *Circle the energy vampires below, and use the key to check your answers.*



OVEN



CELL PHONE
CHARGER



CABLE/SET TOP BOX



LAPTOP
CHARGER



DISHWASHER



LAMP



Answer Key:
Cell phone charger, Laptop charger, Cable box

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Gibson EMC celebrates National Co-op Month

Being part of a cooperative means being part of something special. That's why Gibson EMC is celebrating National Cooperative Month in October along with 40,000 other cooperative businesses serving more than 120 million people nationwide.

"Cooperatives Build" is the theme of this year's National Cooperative Month because cooperatives help to build a stronger rural America.

Eighty years ago, Gibson EMC electrified rural northwest Tennessee. Electricity brought light and a far better quality of life to the people of this area. Today, we're still pressing to improve our members' quality of life. Today's problem for many of Gibson EMC's members is the lack of access to high-speed broadband. We want to help solve this problem for our members because it, like electricity 80 years ago, is critical for economic sustainability and growth. The lack of high-speed broadband access hurts our members and our communities. Please see the story on

page 26 about broadband access and support our efforts to find solutions that will benefit you, our members.

For Gibson EMC, it's all about you. You are a part-owner. You have a voice in how we operate. Your needs are our needs. We're not-for-profit, and serving you well is more than our job; it's our purpose. What a unique and wonderful business model!



*Dan Rodamaker
President and CEO
Gibson EMC*

To celebrate Cooperative Month, Gibson EMC will be hosting a Member Appreciation Event in each of our member service centers. See the story on page 17 for the date and time we'll be in your area. We hope you'll eat lunch with us and allow us to personally thank you for being a member of our cooperative. Happy Cooperative Month!



TVA wholesale increase, Gibson EMC rate change are effective Oct. 1

On Aug. 25, the Tennessee Valley Authority board voted to approve a wholesale rate increase effective Oct. 1, 2016. This will result in an increase of about 1.5 percent at the retail level.

The impact the TVA rate increase will have on your individual electric bill will depend on the amount of energy you use. The average residential consumption for Gibson EMC members is 1,400 kilowatt-hours per month. With the 1.5 percent TVA retail rate increase, a Gibson EMC member using 1,400 kilowatt-hours per month will pay about \$2 more.

In addition to being Gibson EMC's wholesale power provider, TVA also is our regulator, and, as such, TVA has asked us to bring all members (in Tennessee and in Kentucky) to the same rate by Jan. 1, 2019. We began this process in January when we lowered distribution rates for our Kentucky members using savings from the merger. As a next step, Gibson EMC will adjust our rate structure on Oct. 1 to more closely align the rates. Specifically, we will increase our residential and small commercial member charge from \$20 a month to \$21.50 a month and decrease our residential and small commercial energy charge. For a member using 1,000 kilowatt-

hours per month, the member charge will increase by \$1.50 per month, and the energy charge will decrease by \$1.50 per month.

The Gibson EMC rate structure change will not generate any additional revenue for Gibson EMC. Likewise, the TVA wholesale rate increase will not generate additional revenue for Gibson EMC.

Lastly, Gibson EMC will change our outdoor light rates on Oct. 1 to reflect our costs for wholesale power. The impact of the change will vary depending on the type of outdoor light and energy use. Just call your local member service center for more individualized information.

"We know that even a pass-through of the wholesale rate increase is something we'd all want to avoid," says Gibson EMC President and CEO Dan Rodamaker. "Unfortunately, Gibson EMC cannot absorb this wholesale rate increase, but I do want our members to know that we have worked hard to hold down our rates. It has been more than seven years — April 2009 — since Gibson EMC has increased its distribution rates, and neither the TVA wholesale rate increase nor the Gibson EMC rate structure change will generate any additional revenue for Gibson EMC."

Celebrate Cooperative Month at Member Appreciation Events



As Gibson Electric Membership Corporation and other cooperatives throughout the nation celebrate National Cooperative Month, we're hosting Member Appreciation Events in our Alamo, Tiptonville, Troy and Trenton member service centers and in our Hickman warehouse in October. Come and enjoy a free barbecue or beef brisket sandwich, chips and a drink with us. We host these Member Appreciation Events to say "thank you" and to celebrate all that makes a cooperative special: We're not-for-profit, member-owned and member-controlled. Members are invited to attend a "Listening Session" at 12:30 p.m. Management will be available to receive your comments and questions.

Member Appreciation Events

Each event lasts from 11 a.m. to 1 p.m.

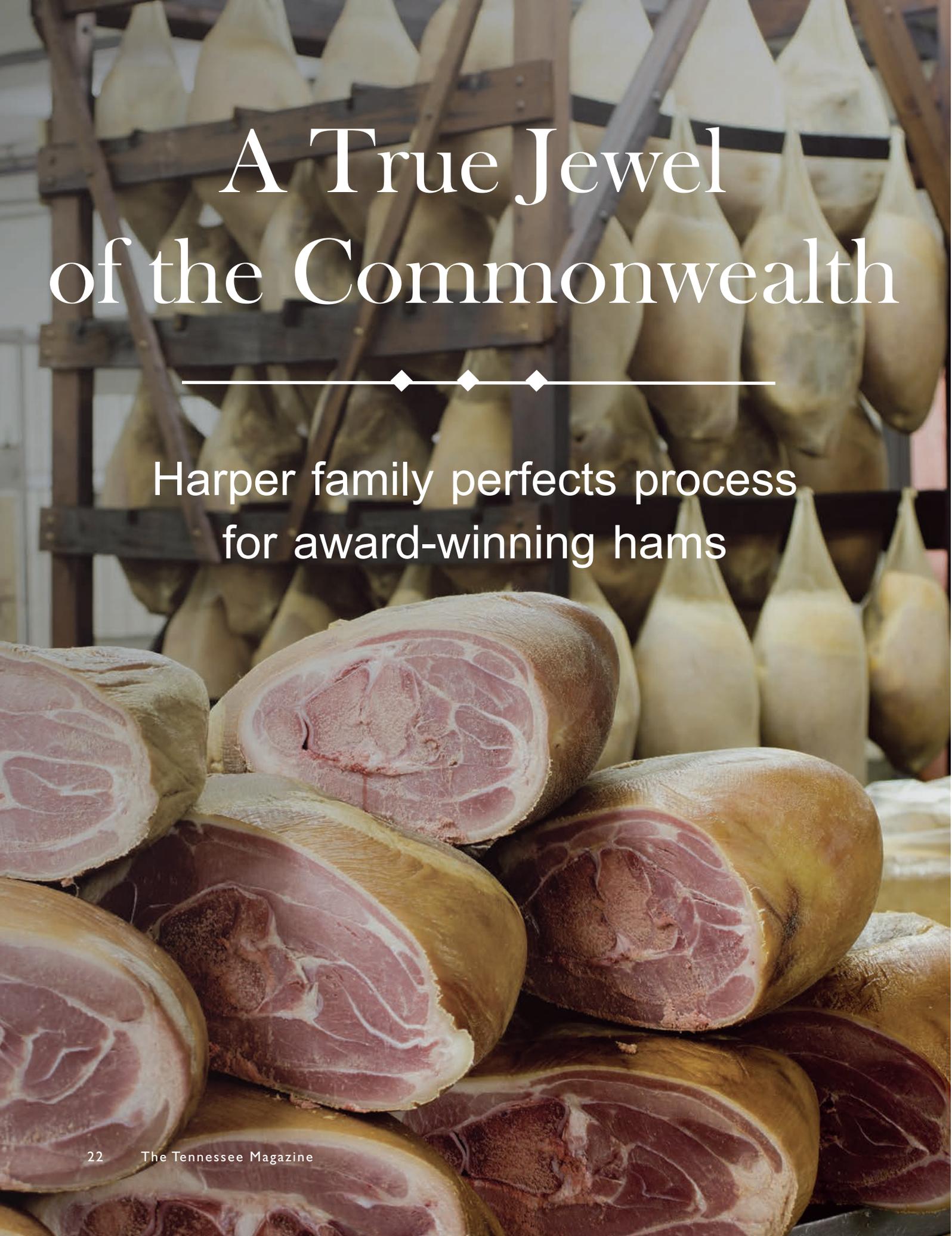
Trenton — Tuesday, Oct. 4

Hickman — Thursday, Oct. 6

Troy — Tuesday, Oct. 11

Tiptonville — Thursday, Oct. 13

Alamo — Tuesday, Oct. 18



A True Jewel of the Commonwealth

Harper family perfects process
for award-winning hams

When Curtis Harper was a small child scampering around his yard in Hickman County, Kentucky, he did not envision starting a meat company that would last three generations and gain national recognition for a product he could craft. But that is indeed what he was able to accomplish as an adult.

Curtis Harper and his wife, Thelma, had to leave the farm briefly during World War II to live in Illinois so he could work for the war effort. After returning to his hometown of Clinton, Kentucky, Curtis began to practice the technique of curing and smoking hams that he had learned from his elders. Soon his friends and neighbors were asking him to sell them one or two hams during the year. He even supplied a friend who worked for the railroad with hams to sell up and down the tracks. Before long, Curtis had gained quite a reputation in the area for his hams, and his friends encouraged him to post a sign along the much-traveled U.S. Highway 51 that ran in front of his home. In 1952, with a simple sign that said "Country Hams for Sale," Harper's Country Hams was launched.

With the Great Depression and WWII in his memory, Curtis began his company as a resourceful businessman who used repurposed items to meet his needs. His resourcefulness led him to think about the wooden shipping crates that were used to deliver caskets to the local funeral home. He would get the crates and use them as curing vats. The next step in the curing process called for a smokehouse. Curtis realized he could convert a two-seater outhouse into a very functional smokehouse.

In 1968, Curtis Harper's son, Gary, returned from the Army and with his wife, Dolores, joined his father in the business. At this time, Harper's Country Hams became a federally inspected meat plant. A fire in 1978 destroyed most of the plant, but the Harpers were able to rebuild and were soon supplying again the hams for which they were well known.

Although Curtis Harper passed away in 1995 and Gary in 2007, Gary's wife, Dolores, and their son, Brian, have carried on the legacy of curing and smoking national and state championship hams. Their 2013 Kentucky State Grand Champion ham weighed more than 13 pounds and sold for \$350,000. Their entries at the 2015 National Country Ham Association's annual convention earned them the Grand Champion honors for both smoked and unsmoked hams. An appreciative Dolores is quick to say, "Our employees make Harper's Foods who we are."



Dolores and Brian Harper carry on the family's legacy of curing and smoking national and state championship hams.

"We enjoy providing our customers with the flavor of ham that they grew up with in the South," says Brian. "Our hams have a way of bringing people back home."

With this same concept in mind, Harper's Country Hams has expanded its product line to include barbecue, sausage, jowl, jerky and many more items under the name of Harper's Foods. The company strives to make meals easy and convenient without losing any of the old-fashioned goodness. In addition to the www.hamtastic.com website, Harper's has created www.cookcountryham.com, a site that contains cooking videos that teach the younger generation how to properly cook the products so their families can enjoy the flavors of past generations.

The business that started with such humble beginnings now has 78 employees and is housed in a 100,000-square-foot facility that includes rooms designed to take the hams through the seasons of the year as they go through the curing process. The hams start out in a winter room, move into the spring room and complete the curing process in the summer room. In order to keep the hams cool in the winter room (around 34 degrees) and hot in the summer room (around 100 degrees) the facility depends heavily on electricity.

Continued on page 26

Get out and vote! Let's make a difference together!

Gibson Electric Membership Corporation, along with electric cooperatives across America, is urging you to vote. We ask you to pay attention to eight issues that are important to the health and prosperity of our local communities:

- Rural broadband access
- Hiring and honoring veterans
- Low-income energy assistance
- Cybersecurity
- Water regulation
- Rural healthcare access
- Affordable and reliable energy
- Renewable energy

A new website, vote.coop, offers co-op members information on the voter registration process in their state, dates of elections, information on the candidates running in those elections and explanations of the eight key issues the campaign aims to address.

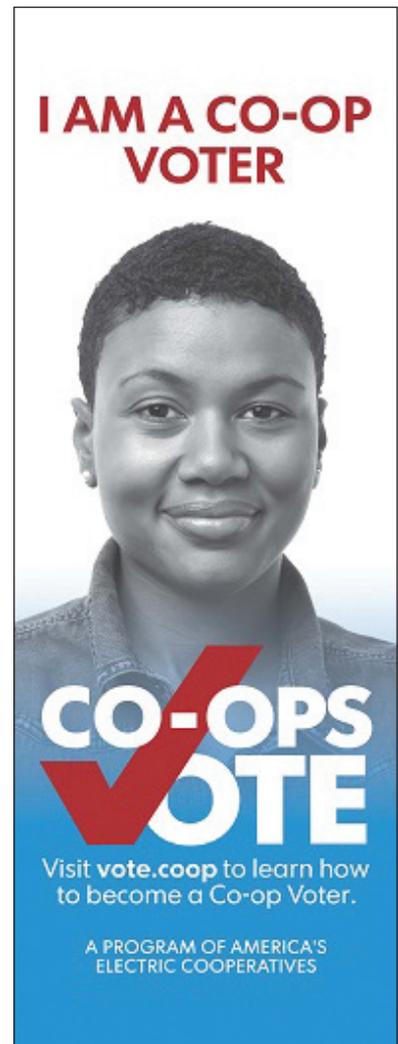
"All of these issues impact our members and our communities," said Gibson EMC President and CEO Dan Rodamaker, "so we each need to take advantage of our right to influence the outcome by voting."

In keeping with its nonpartisan goals, the Co-ops Vote initiative will not be endorsing specific candidates for office.

Mel Coleman, president of the National Rural Electric Cooperative Association and CEO of North Arkansas Electric Cooperative, said the program would help ensure the voices of rural Americans are heard. "We want to make sure our government knows that rural America matters," Coleman said. "This campaign isn't about divisive, partisan issues. It's about real people in real places facing real challenges. It's about our co-ops living out the principles of our movement: Concern for community and democratic control."

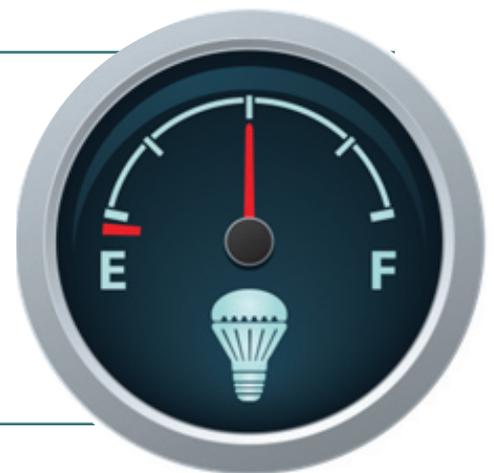
"The electric cooperative movement has always been nonpartisan, and our communities are facing too many challenges to have a government crippled by bickering," Coleman said. "When our parents and grandparents set out to electrify rural America, they didn't have time to ask the people next to them about their views on economic or social policy. Their economic policy was, 'We need to save this community,' and their social policy was, 'Let's do it together.' I hope the Co-ops Vote program can help rekindle that spirit of cooperation."

For more information about Co-ops Vote and the impact of these eight key issues on the people of Tennessee and Kentucky, visit vote.coop.



PAY-Go online member satisfaction survey

We want your feedback! Since the introduction of PAY-Go (Pay-As-You-Go), we have almost 15 percent of our entire membership participating in this prepayment service. We want to know how PAY-Go is measuring up! If you participate in the PAY-Go prepayment program, please watch your email inbox for an invitation to complete an important survey. As a token of our appreciation, survey participants will be entered into a drawing for a \$100 PAY-Go account credit.



Electric Cooperatives: Going Beyond the Wires

Gibson Electric Membership Corporation's Washington Youth Tour short story contest is officially underway. Gibson EMC representatives are visiting area schools to tell high school juniors how they can win an expense-paid, weeklong trip to Washington, D.C., next June.

The topic of this year's short story is "Electric Cooperatives: Beyond the Wires," which will also be used for your title. Students will write short stories describing how local electric co-ops go "beyond the wires," strengthening their rural communities, improving lives across their service areas and providing safe, reliable, affordable energy. Remember that you're writing a short story, which gives you more creative freedom than the rigid guidelines of an essay. The story should be an entertaining, informative description of electric cooperatives.

Your story must be type-written and double-spaced. Submissions cannot exceed 900 words. This includes articles such as "a," "an" and "the." The exact word count must be included on your cover page. Your story will be judged on appropriate treatment of theme and knowledge of subject, originality/creativity and grammar and composition.

Juniors who attend a local high school should submit their stories to their English teachers or guidance counselors. Short stories from home-schooled students must be received by Jenni Lynn Rachels at Gibson EMC, P.O. Box 47, Trenton, TN 38382, no later than Wednesday, Feb. 1, 2017.

If your short story is one of the contest winners, you will receive a free trip to Washington, D.C., next summer alongside other winners from Kentucky, Tennessee and across the country.

And, even if you don't win the contest, you could still receive one of Gibson EMC's six \$500 scholarships just for writing a short story. The names of all short story writers who meet contest eligibility requirements will be entered into drawings for these \$500 scholarships at Gibson EMC's annual meeting on Thursday, April 6, 2017.

For more information, visit gibsonemc.com or call Rachels at 731-855-4740, ext. 1215.



PACK YOUR BAGS BECAUSE

900 WORDS CAN CHANGE EVERYTHING

**TENNESSEE ELECTRIC COOPERATIVE
CREATIVE WRITING AND
SCHOLARSHIP COMPETITION**

High school juniors can win a once-in-a-lifetime trip to our nation's capital, win thousands of dollars in scholarships and have a chance to network with other young leaders from across the nation. **It only takes 900 words.**

 **TENNESSEE
WASHINGTON YOUTH TOUR**

 TRAVEL  RECOGNITION  SCHOLARSHIPS  CONNECTIONS

Presented by Tennessee's electric cooperatives
YOUTHTOUR.TNELECTRIC.ORG

Gibson EMC encouraged by broadband study results

The Tennessee Department of Economic and Community Development has released the results of a comprehensive study on broadband access in Tennessee, and Gibson Electric Membership Corporation is encouraged by the report's findings and recommendations.

The study, which examines broadband use and availability, finds that regulatory barriers in the state restrict investment and reduce competition. The report specifically mentions a state law that prevents electric cooperatives from providing retail broadband.

"The study identifies rural and economically distressed regions of the state as areas of greatest need. These are the same communities served by

co-ops like Gibson EMC," says Gibson EMC President and CEO Dan Rodamaker. "Despite our unique position, Tennessee state law prevents co-ops from providing broadband access to our members. We are confident that the legislature will act on the recommendations of this study, creating an environment that encourages investment, competition and, ultimately, greater access to broadband."

"Gibson EMC is committed to improving lives in the communities we serve," says Rodamaker. "We are excited to work with the state to identify real solutions that will benefit our members."

You can view the full report at www.tn.gov/assets/entities/ecd/attachments/broadband-study.pdf.



Harper's Hams

Continued from page 23

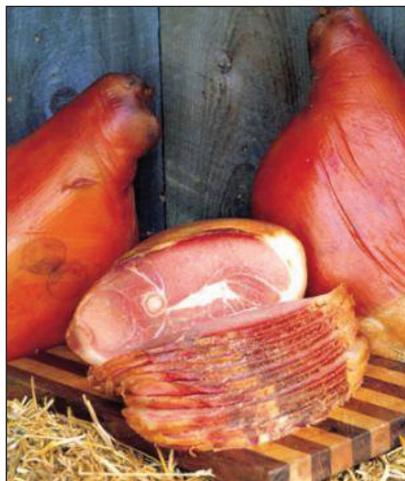
"We were pleased when Emily Sullivan, Gibson EMC Vice President of Economic Development and Community Relations, contacted us to see if we would like to take advantage of infrared scanning (one of the free Comprehensive Services Program offerings available to Gibson EMC's commercial and industrial members)," says Brian. "We had our electrical connections inside the plant scanned using thermal imaging in order to pinpoint hot spots. We have also enjoyed monthly savings in electrical costs that we have experienced as a result of the merger between Hickman-Fulton Counties RECC and Gibson EMC. These savings are dollars that can be invested back into our facility."

Dolores and Brian say they are extremely proud that Harper's Foods has obtained SQF Level 2 certification.

"This certification supersedes the standards of any independent third-party audit, and no other ham producers have obtained it," Brian explains.

They also are proud that the hiring of CEO Phillip Connelly has led to Harper's Foods signing a marketing agreement with Consumer Products, a unit of CBS Entertainment. With this marketing agreement, the Harpers' hams and bacon will be marketed under the Mayberry's Finest label. The packaging for each item links the product to a character from "The Andy Griffith Show" and includes humorous script inserts, episode numbers and original air dates.

"A true jewel of the commonwealth" is how Harper's Hams was described in 2013 in a Resolution passed by the Senate of the General Assembly of the Commonwealth of Kentucky, and anyone who tastes products from Harper's Foods will surely agree.



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Holston Electric Cooperative

Serving more than 30,000 customers in Hawkins and Hamblen counties.

1200 W. Main St.
P.O. Box 190
Rogersville, TN 37857

423-272-8821
423-235-6811

www.holstonelectric.com

Church Hill office

Highway 11-W and
South Central Avenue
Church Hill, TN 37642
423-357-6441

Russellville office

Highway 11-E
Russellville, TN 37860

General Manager

James B. Sandlin

Board of Directors

President:

Gordell Ely

Vice President:

Jeff Ringley

Phil Barrett

Brent Price

David Marshall

Lynn Parker

To report an outage or electrical emergency, call 423-272-8821 or 423-235-6811 day or night.

AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

Every October, cooperatives from all sectors across the country celebrate National Cooperative Month to recognize the cooperative difference and remind you, the members of the co-op, about Holston Electric Cooperative's purpose.

I must admit that occasionally, I, too, have been somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

Celebrating National Cooperative Month informs others about our unique business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members that are familiar with the principles, the month of October is a great opportunity to renew our connection to each other and the purpose of our co-op. Our mission is to provide safe, dependable, quality electric service to our members at a reasonable cost.

In the U.S., more than 29,000 co-ops serve in every single industry. Many co-ops from different sectors join together during

the month of October to educate members in the community about cooperatives.

There are more co-ops in our local community than most people realize.

Credit unions, Ace Hardware, some insurance agencies and the Farmers Co-op are just a few examples. Co-ops such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more are even represented on the shelves at our local grocery stores.

According to the latest data, more than 130 million people in the U.S. alone

belong to co-ops, and co-ops employ more than 2 million Americans.

This speaks to the heart of why we must take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops right here in our local community and be an active member of Holston Electric Cooperative.



James B. Sandlin
General Manager,
Holston Electric
Cooperative

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Holston Electric Cooperative Inc.

*Official notice of 76th annual meeting
Tuesday, Oct. 11
HEC Headquarters, Rogersville*

The 76th annual meeting of the members of Holston Electric Cooperative Inc. will be held at 7 p.m. Eastern Daylight Saving Time on Tuesday, Oct. 11, 2016, at the headquarters (main office) building of Holston Electric Cooperative Inc., 1200 W. Main St., Rogersville, to take action on the following matters:

1. To receive the reports of officers and committees.
2. To elect two directors for a period of three years each. The following are nominees for directors from the districts indicated:

District 6: Phil Barrett

District 7: Mark Derrick

3. To act on all other business that may come before the meeting or any adjournment thereof.

Schedule of Events Tuesday, Oct. 11:

- | | |
|--------------------|--|
| 4-6 p.m. | Member registration at the cooperative office in the auditorium of the Rogersville office only |
| 4:30-6 p.m. | Free barbecue dinner
(served by Hawkins County 4-H members and leaders) |
| 5:30-7 p.m. | Entertainment |
| 7 p.m. | Business meeting |

Signed by:



Phil Barrett

Secretary-Treasurer

Holston Electric Cooperative Inc.

PLEASE NOTE:

- *Account holders must provide a government-issued photo ID to vote.*
- *In the case of membership held by married persons, such membership shall in all instances be deemed to be held jointly, and either spouse, but not both, shall be entitled to one registration.*
- *Any Holston Electric Cooperative member with special needs who plans to attend the annual meeting can contact the cooperative at 423-272-8821 prior to the meeting date to make necessary arrangements. Handicapped parking is limited, cannot be reserved and will be provided to those with proper identification on a first-come, first-served basis.*

Back by popular demand —

The Odds and Ends to perform at HEC annual meeting

Local legends The Odds and Ends will be back for the 76th Annual Meeting of Holston Electric Cooperative on Tuesday, Oct. 11. The performers were such a hit that members requested to see them again this year.

In their early careers, The Odds and Ends quickly became known throughout the region for outlandish rock 'n' roll music. Right after Surgoinsville brothers Johnny and Billy Greer saw the Beatles on "The Ed Sullivan Show" in 1965, they held their first practice with friends Sammy Manis and Alvin Case. Self-taught from listening to 45s, their performances included a rendition of "Dream, Dream, Dream" by the Everly Brothers and a repertoire of songs hot off the charts.

Playing sock hops, birthday parties and even the March of Dimes Telethon on WJHL-TV, the group became more widely known. Eventually, they began to



Above, the original lineup of the Odds and Ends is Sammy Manis, Alvin Case, Johnny and Billy Greer. Below, the reunited group is composed of, from left, Benny Wilson, Sammy Manis, Bill Trent, Alvin Case, Billy Greer, Johnny Greer, Ben Chambers, and John Brown.

receive compensation for appearances, which progressed to night club gigs. As their music became heavier to include songs by Jimi Hendrix and Led Zeppelin, they found themselves in greater demand.

Throughout the years, the band personnel has changed. Sammy Manis got married and dropped out, Alvin Case went to the Air Force and Johnny was drafted. Other members at various times included Eddie Cradic, Bill Trent, Ben Chambers and Harold Walker.

In the late 1970s, Johnny began to explore the world of bluegrass. After playing in a band with Benny Wilson for a while, Billy moved to Atlanta. In 1986, he became the bass player for the rock group Kansas, with whom he plays today.

The Odds and Ends will perform as a reunion band on Tuesday, Oct. 11, beginning at 5:30 p.m. at Holston Electric Cooperative in Rogersville.



Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- Efficiency can be as much as 2.5 times higher than an electric resistance alternative
- Cool surrounding space in the summer, making the area more comfortable
- Use waste heat from the central furnace during winter months
- May qualify for \$300 Federal Tax Credit in 2016
- Can save \$330 annually for a family of four, depending on water use and electricity rates

CONS

OF HEAT PUMP WATER HEATERS (HPWH)

- Cost about twice as much as electric resistance water heaters
- The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use
- Make the heating system work harder during winter months because it generates cold air while operating
- Physical size of an HPWH can be greater than an electric resistance alternative
- Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump
- Slow recovery may be a problem when demand for water is high

From the front lines to power lines

Electric co-ops care about veterans

By Anne Prince

Electric co-ops have long had a special affinity for veterans, perhaps because they are both so closely aligned in outlook, focusing on service, mission and country. Maybe it's because a disproportionate number of veterans come from rural communities and return to their hometowns following active duty. Or maybe it's due to the shared work ethic of teamwork, cooperation and a "get it done" attitude. Most likely, it is all of these.

Network of caring

At Holston Electric Cooperative, we are among the more than 900 electric co-ops across the country to support and honor our nation's veterans of all generations. We are grateful to have veterans within our ranks, and we are proud to serve veterans and their families within our local community.

We are not alone in our efforts to honor and serve veterans. As part of our national network of electric cooperatives spanning 47 states and covering 75 percent of the nation's landmass, there are countless programs that our family of co-ops has initiated. At the national level, we support *Serve our Co-ops*; *Serve Our Country*, a nationwide initiative aimed at employing and honoring veterans, military service members and their spouses. This program came with a great vision of forming a national coalition with the shared goal of hiring veterans into co-op jobs across rural and suburban America and setting them up for success in their local communities.

As part of a co-op veteran outreach effort, America's electric cooperatives are working closely with federal partners, including the Department of Energy, Department of Labor, Department of Defense, Veterans Administration, labor unions and other trade associations on an industry-wide veteran-hiring project, The Utility Workforce Initiative. Together, these groups are establishing a national employee resource group, Veterans in Energy, which will launch later this year to provide transition,

retention and professional development support to military veterans working in the energy industry.

Many programs, one purpose

At the local level, electric co-ops across America have created their own programs tailored to the unique needs of their community. For example, in the Bluegrass State of Kentucky, Pennyrite Electric Cooperative printed more than 10,000 "thank you" cards that members signed and were later delivered to troops on active duty in nearby Ft. Campbell.

Many electric co-ops sponsor "Honor Flights," enabling veterans from the Korean conflict and WWII to visit war memorials in Washington, D.C., at no charge. In the small town of

Fort Dodge, Kansas, Victory Electric Cooperative partnered with the local VFW to create the Vittles for Vets program aimed at stocking the food pantry at the Fort Dodge Soldiers Home. Many of the veterans living there and in surrounding communities are on limited incomes, and the food pantry helps the veterans meet basic needs.

Other co-ops forge strong partnerships with the military bases in their service territories. In Wyoming and North Dakota, co-op leaders and staff serve on military-civilian boards and committees that support activities initiated by their respective bases.

While the activities may differ, a commitment to supporting and caring for veterans is apparent at every electric co-op across this great nation. We at Holston Electric Cooperative are proud to be a part of the cooperative network that honors and supports veterans of all ages, ranks and branches of the military.

Anne Prince writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



New legislation eases UAV flying restrictions

By Dan Riedinger

When it comes to providing our members with safe, reliable and affordable electric service, anything that helps us get the job done more easily and efficiently is welcome news.

Recently, Tennessee's electric cooperatives received just such news from Washington, D.C., in the form of a new law governing the use of unmanned aerial vehicles (UAVs), or "drones," by electric co-ops and other operators of critical infrastructure. Under the law, signed by President Barack Obama on July 15, electric co-ops and other utilities will be able to use drones to more safely and efficiently respond to natural disasters and conduct routine maintenance — with fewer restrictions than in the past.

Drone use is so significant an issue for many co-ops that it has been a major priority for the National Rural Electric Cooperative Association (NRECA), the service organization that in Washington represents the interests of the nation's more than 900 electric co-ops. NRECA said the new law "will enable electric cooperatives to reduce risk for their employees, shorten outage times and save money for their member-owners." It's win-win for everyone.

Specifically, the law for the first time allows co-ops to fly drones beyond the line of sight and during nighttime hours to conduct utility activities that meet federal, state or local regulations and industry best practices for such tasks as utility

right-of-way inspections. Surveillance by drones equipped with cameras can speed safe recovery of power following severe weather by showing where and to what extent transmission lines are damaged. Drones also can be handy tools in vegetation management and routine inspections of critical equipment.

Until now, electric co-ops were limited to using drones during daytime hours and within a direct line of sight. Until recently, drone operators also were required to have a commercial pilot's license, but that constraint was removed by the Federal Aviation Administration (FAA) in June. Operators now can obtain a license by passing a test at facilities approved by the FAA.

The changes to drone use requirements have the potential to make a big difference in reliability and safety efforts. Fortunately, Congress and the president listened to electric co-ops' concerns and removed some major obstacles to expand commercial drone use. Now, electric co-ops across the country can take advantage of this cutting-edge technology if they find it will reap benefits for themselves and their members.

Dan Riedinger writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

HOW ELECTRIC CO-OPS CAN PUT DRONES To USE

- Co-ops can assess storm damage when roadways are inaccessible.
- Infrared capabilities can detect hot spots on power lines or in substations.
- Drones are easily maneuvered to show vegetation management needs near lines.
- GPS data can pinpoint areas in the co-op's service territory that need attention.



America's Electric
Cooperatives

Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more

importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air

but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting www.2escore.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, service arm of the nation's electric co-ops.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash





*Celebrating 75 Years
1941-2016*

Mountain Electric Cooperative

604 S. Church St.
Mountain City, TN 37683
423-727-1800
www.mountainelectric.com

Newland, N.C., office
1373 Elk Park Highway
Newland, NC 28657
828-733-0159

**Roan Mountain,
Tenn., office**
8477 Highway 19E
Roan Mountain, TN 37687
423-772-3521

Office Hours
Monday through Friday
8 a.m.-5 p.m.

General Manager
Joe Thacker

Board of Directors
President —
R. Bruce Lacey (District 5)
Vice President —
George Lowe (District 2)
Secretary/Treasurer —
Joe Atwood (District 1)
Ross Dowell (District 3)
Harry Smith (District 4)
Ronnie Townson (District 6)
W.O. Hampton (District 7)
David Ellis (District 8)

AS I SEE IT

Manager's Viewpoint

TVA board approves rate increase; MEC board doesn't

On Aug. 25, the Tennessee Valley Authority board of directors approved a \$10.37 billion budget that includes a 2.4-percent wholesale rate increase that will take effect Oct. 1. This makes the fourth consecutive year that TVA has implemented a small wholesale rate increase.

But there is some good news. On June 23, the Mountain Electric Cooperative board of trustees approved the fiscal year 2017 budget with no MEC rate increase for its cooperative members. This makes the ninth consecutive year that no rate increase has been included in MEC's budget.

So what is the net rate increase impact? On Oct. 1, residential customers of MEC will see an average increase of 1.5 percent, or about \$1.20-\$3.20, on their electric bills, depending on their individual energy use. A resident using 1,000 kilowatt-hours per month will see a monthly increase of \$1.54.

TVA increasing rates and MEC keeping rates the same seem a little confusing. But keep in mind that your power costs consist of two primary components: TVA wholesale power and MEC's operating costs. On average, 78 cents out of every electric sales revenue dollar goes to TVA for wholesale power costs. This 78 percent is what MEC pays to TVA for wholesale power, and that is what TVA is increasing. The other portion, the remaining 22 cents, is what MEC uses to operate the cooperative, and that is what is not increasing. These two components are independently

controlled — one by TVA and the other by MEC. MEC is not a part of TVA, has no say in TVA's rate decisions and receives no revenue benefit from TVA's wholesale rate increase. Since such a high percentage of our revenue goes to TVA to pay for wholesale power costs, even the smallest change in TVA's rates impacts the cooperative in a big way. Due to this, we have no choice but to play the hand we're dealt and pass TVA's rate increases along to our members.



Joe Thacker
General Manager,
Mountain Electric
Cooperative

You may wonder how MEC has been able to avoid rate increases considering the normal inflationary cost of doing business. MEC has benefited significantly from TVA's rate structure changes implemented in 2011 and 2015. These changes better reflect TVA's actual cost of service and are fairer to the 154 distributors TVA serves. For example, TVA's wholesale rates now change seasonally and have daily "on-peak" and "off-peak" pricing. Since TVA's summer rates are higher than other seasons and MEC is a winter-peaking system, MEC has been able to reduce its overall wholesale TVA power cost. These wholesale power savings have provided some extra revenue to help offset the general inflationary costs of doing business and have enabled MEC to operate without a rate increase these past nine fiscal years. MEC's electric rates are shown on our website, www.mountainelectric.com.

Continued on page 24



UTILITY POLES ARE NOT BULLETIN BOARDS

Think before you post that sign!
Staples, nails and tacks used to hang signs and fliers create dangerous obstacles for electric lineworkers. *Their jobs are dangerous enough – help us keep them safe!*

MEC announces new hires, promotion



Mountain Electric is pleased to announce that Nikki Stout has been hired as corporate accountant/executive assistant. She will be assisting the general manager and working with the Accounting, Member Services and Human Resources departments. A Johnson County native, she has 11 years of accounting and customer service experience. Nikki graduated from East Tennessee State University with her bachelor's degree in business administration. She resides in Butler with her husband, Chad, and son, Gavin. Please help us welcome Nikki to the cooperative.



Brandon Buchanan was recently hired on the line clearance crew at the Newland office. Brandon has lived in Avery County his entire life and lives there with his wife, Kayla, and children, Everly and Norah. Brandon says he is excited about this wonderful career opportunity, and Mountain Electric is pleased to have him as an employee. Please welcome Brandon to the cooperative.



Jamie Meade has been named meter/radio/substation technician at the Mountain City office. Jamie has worked at Mountain Electric for 16 years on the line clearance and line crews and as meterman. We congratulate Jamie on his promotion!

Trick or Treat
Safety Tips

- Have a trusted adult with you
- Wear something bright
- Bring a flashlight
- Walk with a friend
- Look both ways before crossing
- Only visit homes that are well lit
- Never enter a strangers home
- Sort your candy before eating

Have Fun & Be Safe
Happy Halloween

Mike Potter retires from MEC

Mountain Electric said goodbye to dear friend Mike Potter at his farewell dinner in August. As the mechanic for the past 12 years, Mike has kept the MEC trucks in Newland running strong. He's been an asset to MEC, and we will miss him greatly. We wish him the best and a happy retirement!

Congratulations, Mike!

At right, Danny Cuthbertson, left, Newland district manager, stands beside Mike Potter with his plaque his Newland co-workers gave him to show their appreciation for his many years of service.



Board members re-elected to three-year terms



George Lowe, District 2, was re-elected during district election at Doe Elementary School on Aug. 18.



Harry Smith, District 4, was re-elected during district election at Banner Elk Elementary School on Aug. 16.



Ronnie Townson, District 6, was re-elected during district election at Little Doe Freewill Baptist Fellowship on Aug. 23.



David Ellis, District 8, was re-elected during district election at Freedom Trail Elementary School on Aug. 15.

©NFPA 2016. Sparky® is a trademark of the NFPA®

Reproduced from National Fire Protection Association's Fire Prevention Week website, www.firepreventionweek.org. © 2016 NFPA.

Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires

expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Mountain Electric Cooperative employees honored by TVPPA

Kyle Holtsclaw, David Smith and Tommy Eller of Mountain EC have been recognized for outstanding achievement by the Tennessee Valley Public Power Association (TVPPA).

At TVPPA's 2016 Engineering and Operations Conference Aug. 10-12 in Chattanooga, TVPPA Education and Training Services presented Holtsclaw and Smith with Certified Power Technology (CPT) certificates (Eller was unable to attend the meeting). The presentations were made before more than 500 conference attendees.

Holtsclaw, Smith and Eller earned the recognition by completing a rigorous, comprehensive course of study. The CPT curriculum is designed to supplement the formal education of engineers not schooled in power theory and methodology. CPT's aim is to address technological changes in the electric-utility industry.

"Earning a CPT is an outstanding achievement by any standard," said TVPPA Director of Training John Cooke. "Mountain EC will no doubt benefit quickly and significantly as a result of the work (Tommy,) Kyle and David did to earn this recognition."

"Kyle, David and Tommy represent the very best of our cooperative," said Mountain EC General Manager Joe Thacker, adding his congratulations.

"They play vital roles in helping

us serve our members to the best of our ability every day, and their service is very much appreciated."

TVPPA is the nonprofit, regional service organization representing the interests of the 154 consumer-owned electric utilities that purchase wholesale power from the Tennessee Valley Authority and distribute it to 9 million customers in Tennessee, Alabama, Mississippi, Kentucky, Georgia, Virginia and North Carolina.

TVPPA's Education and Training Services maintains a comprehensive selection of utility-specific professional management and technical training programs for utility employees. The mission of the TVPPA Education and Training Committee is to aid the association in the development and delivery of nationally recognized education and training opportunities to meet current and future electric utility workforce needs.



Tommy Eller



David Smith



Kyle Holtsclaw

Rate increase

Continued from page 20

While we can't control TVA's increase, MEC is working hard to keep the cost of delivering service down while keeping quality up. We are taking preventive steps in the present that can yield savings and improved reliability in the future. We are always ready to provide our members with information on controlling the amount of energy they use to ultimately keep energy bills down. Saving energy is always a good idea, and we welcome the opportunity to

offer assistance in this area. A good way to start learning about our energy-efficiency programs is to visit our website at www.mountainelectric.com.

Our pledge to you remains the same. We will continue to look out for your needs concerning wholesale power costs and other issues that impact your energy bill. We believe in the value of our product, and we believe in our commitment to you.

Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- Efficiency can be as much as 2.5 times higher than an electric resistance alternative
- Cool surrounding space in the summer, making the area more comfortable
- Use waste heat from the central furnace during winter months
- May qualify for \$300 Federal Tax Credit in 2016
- Can save \$330 annually for a family of four, depending on water use and electricity rates

CONS

OF HEAT PUMP WATER HEATERS (HPWH)

- Cost about twice as much as electric resistance water heaters
- The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use
- Make the heating system work harder during winter months because it generates cold air while operating
- Physical size of an HPWH can be greater than an electric resistance alternative
- Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump
- Slow recovery may be a problem when demand for water is high

Operation Pocket Change

August Contributions totaled \$13,487.41. Recipients were:

Volunteer Avery County: Vision screening machine for Avery County community	\$6,112.41
Hale Community Ministries: Food pantry and kids' programs.	\$4,000.00
Johnson County/Mountain City Community Center: Screen projector	\$600.00
Johnson County Leadership: Sponsor youth candidates to participate in leadership program.	\$2,775.00

October calendar of events

Mountain City, Tennessee

Oct. 1-31 • Scarecrows on Main. Scarecrows on display in downtown Mountain City. For more information, call 423-202-4386.

Heritage Hall, Mountain City

Oct. 1 at 7 p.m. • Wayne Henderson and Friends.
Oct. 21-22 and 28-29 at 7 p.m. and Oct. 29 at 3 p.m. • A-Haunting We Will Go.

Tickets for these performances are \$10 in advance, \$12 at the door and \$5 for youth. For more information or to buy tickets, call 423-727-7444.

Shady Valley, Tennessee

Oct. 7-8 • 25th Annual Cranberry Festival at Shady Valley Elementary School. The celebration starts Friday, Oct. 7, with a bean supper at 5 p.m. and auction at 7 p.m. Saturday's events begin with a pancake breakfast at 7 a.m. at the fire hall followed by a parade at 10 a.m. For more information, call 423-739-9242.

Newland, North Carolina

Oct. 7-31 • Scarecrow Contest on display in downtown Newland.

Oct. 22 • Pumpkin & Harvest Festival.

For more information on these events, call 800-972-2183.

Sugar Mountain, North Carolina

Oct. 8-9 • Oktoberfest. For more information, call 800-784-2768.

Banner Elk, North Carolina

Oct. 15-16 • 39th Annual Woolly Worm Festival. For more information, call 800-972-2183.

Grandfather Mountain, North Carolina

Oct. 29 • Beary Scary Halloween. For more information, call 800-468-7325.

Heat pump loan program offers efficiency, comfort

One of the biggest energy decisions you'll ever make is how to heat and cool your home. With an energy-efficient heat pump, you get an effective heating and cooling system that equals a comfortable, steady temperature every season of the year.

Heat pump loan guidelines

- Homeowners in the Mountain Electric Cooperative service area qualify for 6-percent-interest loans on energy-efficient heat pumps.
- Maximum loan amounts are \$10,000 for air-source heat pumps and \$12,500 for high-efficiency systems.
- You must use a Quality Contractor Network (QCN) installer approved by MEC and TVA.

How to get started

- Have the required documents for credit approval, i.e. driver's license and Social Security number.

- Call MEC Member Services at 423-727-1805 or 423-727-1811.
- You will receive a loan contract for approval and a list of QCN installers.

Once your loan is approved

- Get estimates and choose a QCN member to perform the installation.
- After your system is installed, a certified heat-and-air specialist will conduct a 40-point inspection of the entire system.
- After the passed inspection, MEC will pay the contractor, and you will begin paying monthly installments on your electric bill.

For more information, contact MEC at 423-727-1805, 423-727-1811 or brarnold@mountainelectric.com.

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Keith Carnahan, President and CEO
MLEC Office Hours —
Monday through Friday,
7:30 a.m. - 4:30 p.m.

Hickman Office
Dwight Bates, District Manager
Phone: 931-729-3558
After Hours, Holidays,
Weekends: 1-800-482-6553
(including Dyer Road)

Houston Office
Jeff Rye, District Manager
Phone: 931-289-3311
After Hours, Holidays,
Weekends: 1-800-650-6814

Humphreys Office
Carl Brazzle, District Manager
Phone: 931-296-2581
After Hours, Holidays,
Weekends: 1-800-893-8273

Lewis Office
Jason Graves, District Manager
Phone: 931-796-3116
After Hours, Holidays,
Weekends: 1-800-256-2807

Perry Office
Derle Hill, District Manager
Phone: 931-589-2151
After Hours, Holidays,
Weekends: 1-800-316-2342
(including Pleasantville)

Featured this month
in **Watt's Up** on
mlec.com

- *Common Energy Myths*
- *Energy Explorers Energy Vampires in Your Home*



Like

or



Follow



**Happy Halloween
from MLEC!**

Co-ops build community

What do you call a pirate with two eyes and two legs? A rookie. As you can tell by my photo, I've surpassed the initiation phase of my role at Meriwether Lewis Electric Cooperative. (Actually, I'm just getting into the spirit and prepared for Halloween a little early.)

At any rate, when I began my tenure as MLEC's fifth leader, I knew that our cooperative was special. I knew what it stood for and believed in what a difference it could make far beyond the stretch of our power lines.

Now, 16 months in, I see with even clearer eyes what a treat it is to be part of a cooperative. It is fitting for October — as we celebrate National Cooperative Month — to emphasize that cooperatives not only build electric lines but also stand for so much more.

Cooperatives build trust. We strive to adhere to seven cooperative principles that combine to help build trust among the co-op, its members and the community. From the first principle of Voluntary and Open Membership to the seventh of Concern for the Community, co-ops strive to be a source of power and information.

Cooperatives build community. We work for the sustainable development of the communities we call home through employee involvement in local organizations, charitable contributions to community efforts and support for schools.

Cooperatives build a better world. Through programs and services for our members, we strive to make a

positive impact on their daily lives and build on the future.

We offer energy programs like eScore™ to help our members save energy. The result is more control over their monthly energy costs.

MyMLEC Now WiFi hot spots are up and running so that our members have Internet access at community event locations.

Our grants, contests and programs benefit teachers, educators and students. MLEC wants to help our future community and co-op leaders be prepared to lead when their time comes.

MLEC isn't in a building across the country, or even across the state. We're here. We're local.

We're committed to providing you with

safe, affordable, reliable electricity and giving more than energy to the members we serve.

What are we talking about? Come see for yourself.

Beginning Oct. 11 and ending Oct. 20, MLEC will be hosting a night with our members in each county we serve. We hope that you will join us to learn about MLEC's accomplishments over the past year, see our ideas for the horizon and enjoy some fellowship.

Together, MLEC and its members are building something special. A rookie with two eyes or an experienced and excited pirate can see that quickly enough. Thank you for the treat of serving you.



Keith Carnahan
President and CEO,
Meriwether Lewis Electric
Cooperative

Keith

Don't get *spooked* this Halloween!

Most everyone can agree that Halloween is a fun time of year, regardless of your age — especially with the prospect of being given free candy and getting to see all houses frighteningly decorated. But, Halloween also brings an element of caution in regard to safety. MLEC wants its members to know that we care about you and about your safety. While you are finalizing costumes and decorations — whether in celebration of fall or for festivities happening on the 31st — MLEC reminds you to be safe and cautious. Following these safety rules will help keep you from getting “*spooked*” this Halloween.

- Inspect electrical decorations. Look for cracked or frayed wires, broken or bare sockets and loose connections.
- Be sure to read the manufacturer's instructions regarding installation and maintenance. Also, check the instructions to see how many light strings can be safely connected together.
- Always unplug light strings before replacing any bulbs.
- Don't overload extension cords or place them where they might get wet.
- Don't overload your circuit breakers or fuses.
- Make sure decorative lighting is well ventilated, protected from weather and a safe distance from anything flammable like dry leaves and shrubs.
- Do not coil power cords or extension cords while in use or tuck them under rugs or drapes.
- Fasten outdoor lights securely to trees, walls or other firm supports. Do not use nails or tacks that could puncture light strings or extension cords; instead, use insulated staples.
- Provide well-lit walkways and porch lighting for trick-or-treaters, and make sure the walkways are clear.
- Plug electric lights and decorations into circuits protected by ground fault circuit interrupters (GFCIs). Portable outdoor GFCIs can be purchased where electrical supplies are sold.
- Turn out all lights and decorations before you go out or go to bed. ALWAYS have at least one fire extinguisher available, and know how to use it.
- If using a ladder, remember to look up and keep it well away from overhead wires.



CALLING ALL TEACHERS!

More than just their energy provider for all those overhead projectors, computers and lights, Meriwether Lewis Electric Cooperative strives to support our schools in other ways, too. One is our Adopt-A-School grant program, which makes \$1,000 available annually in each of our five counties to educators looking to fund special projects. Since MLEC started the Adopt-A-School program in 1991, more than \$127,000 has been granted to area schools.

Grant monies help purchase classroom equipment, books and supplies; fund new programs; and more. All educators in counties served by MLEC are eligible to apply. Applications (available from MLEC) are due Wednesday, Nov. 16. Send applications to MLEC Member Services, P.O. Box 240, Centerville, TN 37033.



POTENTIAL RATE INCREASE

The Tennessee Valley Authority reports an expected price increase, effective Oct. 1. At press time, MLEC did not have complete information regarding how it and other potential increases would impact our members. However, we are committed to keeping you informed and offering safe, affordable, reliable electricity. Check your October billing statement and mlec.com for the latest details.



ELECTRIC
CO-OPS BUILD
COMMUNITY



#CoopMonth



Ways to Save with Wagner

As your local electric cooperative, Meriwether Lewis is here to help our members make informed energy decisions on heating and cooling equipment. Because so much is riding on your choice — quality equipment, solid service and heating and cooling bills — it all starts with selecting the right contractor.

Remember that the best value may not necessarily come from the contractor who offers the lowest price. Consider the system's operating cost as well as the initial price.

With so much at stake, MLEC supports the Tennessee Valley Authority's Quality Contractor Network. These contractors have gone through special training and earned certifications to ensure your job is always quality. Plus, much of the work they perform earns rebates through the eScore™ program.

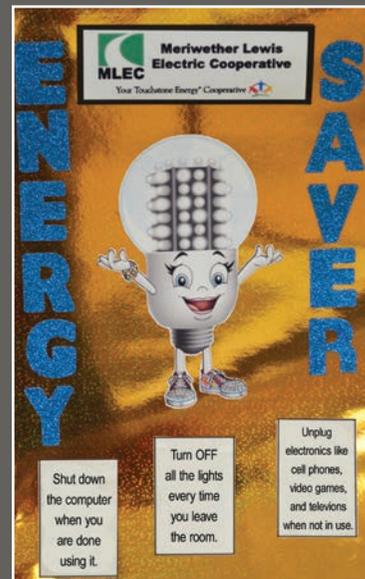
1. Arnold's Plumbing & Electric
Erin — **931-289-4301**
2. Autumn Comfort Heat & Cooling LLC
Clarksville — **931-647-4848**
3. Blankenship Heating & Cooling
Lexington — **731-733-3333**
4. Brewers Heating and Cooling
Hohenwald — **931-628-1958**
5. Comfort Air Heating and Cooling
Erin — **931-289-4017**
6. Harris One Hour Heating & Air Conditioning
Clarksville — **931-905-2356**
7. Hiller Plumbing, Heating, Cooling & Electrical
Dickson — **615-446-4364**
8. Mid-State A/C And Heating
Fairview — **615-799-0427**
9. Porter Brothers Inc.
Dickson — **615-446-8067**
10. Potter & Primm Inc.
Lyles — **931-670-0308**
11. Total HVAC LLC
Nashville — **615-577-1777**
12. Vince's Heating & Cooling
Hohenwald — **931-306-8438**

eScore™ Rebates

Keep in mind that rebates are available for Heat Pumps that qualify for eScore™. For complete details, contact Nathan at 931-729-7257 or email him at nathan.wagner@mlec.com.



MLEC Energy Tip by Wyatt McCoy



Wyatt McCoy is Perry County's third-fifth grade first-place winner from our #MLECEnergySaver poster contest that took place this past fall. We have some smart kiddos!



Official Notice of District Membership Meetings



In accordance with Article V, Section 3, of the cooperative bylaws, notice is hereby given that district and informational meetings will be held as follows:

District III - Perry County - Tuesday, Oct. 11
Perry County High School, Linden

District II - Lewis County - Thursday, Oct. 13
Lewis County High School, Hohenwald

District V - Houston County - Monday, Oct. 17
Houston County High School, Erin

District I - Hickman County - Tuesday, Oct. 18
Hickman County High School, Centerville

District IV - Humphreys County - Thursday, Oct. 20
Waverly Central High School, Waverly

Registration:

Registration begins at 5:30 p.m. for Waverly; all other locations will register at 6:30 p.m.

All meetings begin at 7 p.m.

In accordance with Article VI, Section 4, of the bylaws, district business meetings are held to elect directors to represent members in their districts. Members who met candidate qualifications, declared their candidacy and are eligible to run for the MLEC board of directors are as follows:

District IV - Humphreys County - Thursday, Oct. 20
Andy Porch, incumbent, and John C. Tidwell

Voting will begin at 5:30 p.m. and close at 7 p.m. on the date of the meeting.

All who receive electric service in the MLEC service area are invited to attend the meeting in the county in which they live. If you plan to attend and have special needs, contact MLEC at 931-729-3558.

Official Notice:

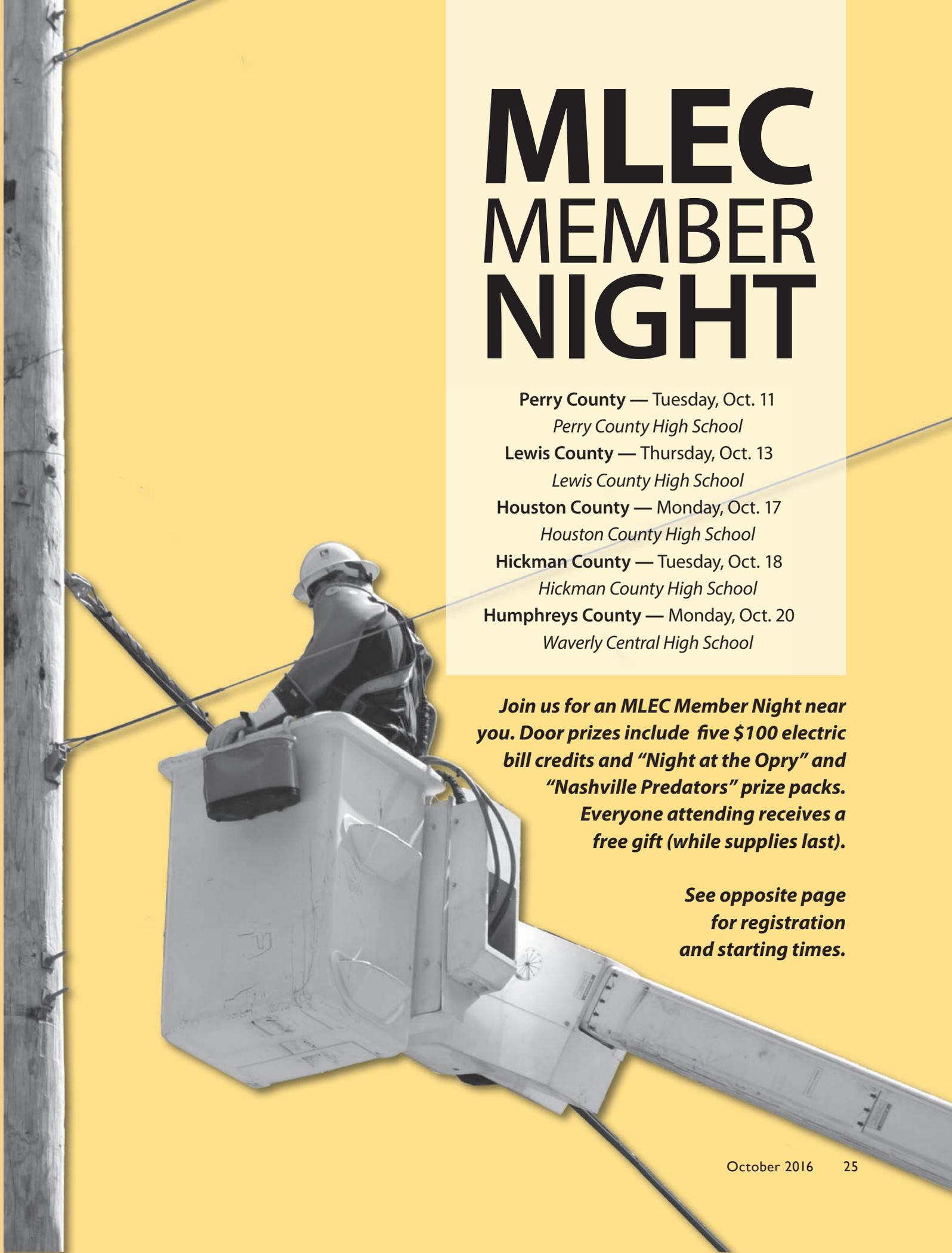
77th Annual Membership Meeting

In accordance with Article V, Section 3, of the Meriwether Lewis Electric Cooperative bylaws, notice is hereby given that the 77th annual membership meeting of MLEC will be held at Waverly Central High School in Humphreys County on Thursday, Oct. 20, at 7 p.m. This is the official meeting of the cooperative for the purpose of presentation and consideration of reports of officers, directors, CEO and committees.

Membership Meeting Rules

October is Meriwether Lewis Electric Cooperative membership meeting time — a time to visit with friends, learn about your electric cooperative and participate in its affairs. Be sure of your eligibility to vote by carefully reading these rules:

1. Only members in good standing of the cooperative shall be eligible to vote.
2. An individual or authorized representative of a non-natural person member shall be entitled to only one vote regardless of the number of memberships controlled or represented by the individual.
3. In case of a natural person membership, only the person in whose name the membership is listed shall be entitled to vote. (Example: If the membership is listed as John Doe, Mrs. John Doe will not be allowed to vote this membership.)
4. In case of a joint membership of a husband or wife on the records as such, either one, but not both, shall be entitled to vote.
5. A membership in the name of a corporation or other entity may be voted by an authorized official, provided said official is not voting another membership under his or her control.
6. A membership in the name of a church may be voted by an official of the church, provided such official is not voting another membership under his or her control.
7. There will be no voting by proxy. Each member desiring to vote must be present.
8. Everyone over the age of 18 who attends is eligible for door prizes. However, only one prize per family.



MLEC MEMBER NIGHT

Perry County — Tuesday, Oct. 11

Perry County High School

Lewis County — Thursday, Oct. 13

Lewis County High School

Houston County — Monday, Oct. 17

Houston County High School

Hickman County — Tuesday, Oct. 18

Hickman County High School

Humphreys County — Monday, Oct. 20

Waverly Central High School

Join us for an MLEC Member Night near you. Door prizes include five \$100 electric bill credits and “Night at the Opry” and “Nashville Predators” prize packs. Everyone attending receives a free gift (while supplies last).

**See opposite page
for registration
and starting times.**

Our Year In Review

Meriwether Lewis Electric Cooperative's total investment in property, electric distribution plant, general plant facilities and equipment exceeded the \$155 million mark, representing an increase of slightly more than \$5.3 million, or 3.7 percent, over the prior fiscal year. Distribution system upgrades and improvements account for most of the electric and general plant capital costs. Money for electric plant and facilities comes from cash generated from operations and short-term or long-term borrowings.

The cooperative borrowed no money this past fiscal year but has a \$5 million line of credit available through CoBank and another \$5 million line available through NRUFC. There were no outstanding balances on these at June 30, 2016.

General cash generated from operations and borrowings were invested in commercial paper bearing interest rates of 0.41 percent to 0.42 percent. The money invested in commercial paper will be used to fund planned capital improvements and continued system operations scheduled in our short-term construction work plan and long-range system study.

MLEC continues to participate in the Rural Economic Development Loan and Grant Program (REDLGP) and operates a revolving loan fund (RLF), funded by a grant, for economic and community development projects in each county it serves. The no-interest loans issued from the RLF are considered investments on the cooperative's financial records and long-term debt since the grant proceeds revert back to the federal government if the RLF is ever closed. As of June 30, 2016, \$286,608 of grant funding had been repaid to the cooperative's RLF and is available to lend for qualifying projects. The cooperative's board of directors approved two RLF loans this fiscal year, \$50,000 to The Spalon in Perry County and \$96,000 to DCDL Media Inc in Humphreys County. The RLF funds are not available for general use purposes and have been segregated from operating funds in a separate bank account.

MLEC provides postretirement health benefits for substantially all retired employees and directors. The latest actuarial valuation of the postretirement benefit plan was conducted as of July 1, 2011, and required the cooperative to record a liability equal to its accrued postretirement benefit obligation (APBO) resulting in an increase of \$4,312,000 to the cooperative's postretirement benefits liability and an actuarial loss recognized in other comprehensive income. The APBO as of June 30, 2016, was

\$19,374,799 with accumulated other comprehensive income including \$4,491,000 in actuarial losses that have not been recognized in net periodic benefit cost. Of this amount, \$472,700 is expected to be recognized in net periodic benefit cost during fiscal year ending June 30, 2017. The cooperative has not funded this plan.

Revenue is recorded as billed to members based on monthly meter reading cycles. The cooperative accrues unbilled revenue from the dates of the most recent retail meter readings to the balance sheet date. Operating revenue decreased 2.6 percent as compared to the previous year while cost of power purchased from the Tennessee Valley Authority decreased 3.1 percent. The cooperative passed-through TVA's seasonal pricing and 1.7 percent wholesale base rate increase effective Oct. 1, 2015, and TVA fuel cost adjustments on a monthly basis this past fiscal year. The cooperative also increased its basic service charge 1.5 percent, effective Oct. 1, 2015. Sales of power, a statistic not shown in the condensed financials, increased 21,143,910 kilowatt-hours (kWh), or 1.9 percent, from the previous year, for a total of 1,141,218,722 kWh for the fiscal year ending June 30, 2016.

Power supply planning sessions and long-range load and area growth studies are held on a continual basis to maximize system performance.

2016 MLEC ANNUAL REPORT

MERIWETHER LEWIS ELECTRIC COOPERATIVE CONDENSED COMPARATIVE BALANCE SHEET STATEMENTS

June 30, 2016 and 2015

	2016	2015
ASSETS		
Electric plant in service	\$ 155,213,659	\$ 149,868,504
Less: accumulated provision for depreciation	60,977,012	56,869,518
Net utility plant	94,236,647	92,998,986
Cash and temporary cash investments for general use	7,420,248	7,639,161
Investments	10,435,152	10,567,445
Accounts receivable-net and unbilled revenue	9,090,839	9,940,447
Energy conservation loans receivable from members	2,187,713	2,247,382
Materials and supplies	394,576	361,760
Other assets	169,624	134,735
TOTAL ASSETS	\$ 123,934,799	\$ 123,889,916
CAPITAL AND LIABILITIES		
Memberships	\$ 136,215	\$ 134,575
Accumulated other comprehensive income	(4,491,000)	(4,963,700)
Earnings reinvested in system assets	47,799,551	46,196,819
Long-term debt	41,132,440	43,700,059
Accounts payable and accrued liabilities	14,424,690	14,629,478
Consumer Deposits	3,309,536	3,233,306
Energy conservation loans advanced by TVA	2,248,567	2,304,818
Accrued postretirement benefit obligation cost	19,374,800	18,654,561
TOTAL CAPITAL AND LIABILITIES	\$ 123,934,799	\$ 123,889,916

MERIWETHER LEWIS ELECTRIC COOPERATIVE CONDENSED COMPARATIVE STATEMENTS OF INCOME

For the year ended June 30, 2016 and 2015

	2016	2015
OPERATING REVENUE		
Operating revenue	\$ 96,592,194	\$ 99,220,924
OPERATING EXPENSES		
Electricity purchased from TVA	73,221,297	75,602,646
Distribution operations and maintenance	8,796,413	8,479,472
Customer accounts, sales and service	2,884,643	2,824,314
Administrative and general	3,385,944	3,489,798
Depreciation	5,021,560	4,935,659
Maintenance on general plant	137,441	131,035
TOTAL OPERATING EXPENSES	93,447,298	95,462,924
OPERATING INCOME	3,144,896	3,758,000
OTHER INCOME		
Interest income	536,958	539,352
Patronage capital	192,132	206,745
Other nonoperating income	18,829	-
TOTAL OTHER INCOME	747,919	746,097
OTHER DEDUCTIONS		
Interest expense	2,289,518	2,408,046
Other nonoperating deductions	565	23,142
TOTAL OTHER DEDUCTIONS	2,290,083	2,431,188
NET INCOME (LOSS)	\$ 1,602,732	\$ 2,072,909

Condensed from the audited financial statements of Meriwether Lewis Electric Cooperative on file at the Cooperative's office.

Meriwether Lewis Electric Cooperative

MLEC is member-owned and prides itself in providing safe, low-cost, reliable electricity. We are also committed to improving the quality of life in the communities we serve and pairing innovation and technology to meet the evolving needs of our members.



Don't watch? Don't pay!

Introducing **Flex Pack**, a skinny bundle with **50+** popular channels.



Want More?

Add **Channel Packs** for only **\$10/mo.** each
First Channel Pack **Included!**

National Action Channel Pack

... and many more!

Variety Channel Pack **\$6!**

... and many more!

Kids Channel Pack

... and many more!

News Channel Pack

... and many more!

Locals Channel Pack

... and many more!

FREE **HBO** **CINEMAX** **STARZ** **HD** for life

FOR 3 MONTHS. Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service | Internet prices starting at:
+ High-Speed Internet | **\$14.95**

Restrictions apply. Subject to availability.

\$39.99 Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • SE HABLA ESPAÑOL



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends: 10/27/16. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$39.99 advertised price: Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. Available with 2-year price guarantee for additional cost: Programming package upgrades (\$54.99 for AT20+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. Premium Channels: Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. Other: All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. Visa® gift card must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Together, we make wishes come true

You've probably heard of the Make A Wish Foundation. In essence, it grants wishes of children with life-threatening medical conditions.

What you may not know is that if you've "rounded up" your MTEMC bill in the past and through SharingChange, you've helped make wishes of local children come true. I hope that makes you feel good. I've had the privilege of meeting some of these children over the years, and it has been a great blessing ... both to meet them and know that MTEMC has made a difference in their lives.

As a SharingChange participant, your small contributions combine with those from other members to make a dramatic impact. Just take a look a couple of pages over at the two-page annual report of SharingChange to see how big a difference we've made together. You'll see a contribution to the Make a Wish Foundation ... just as we've made the last several years. And there are a great many more charitable and community organizations we've supported together like Bridges Domestic Violence Center in Williamson County, Special Kids in Ruther-

ford County, Sherry's Run in Wilson County, and the Cannon County Senior Citizens Center, just to name a few.

I bring this to your attention this month to thank those who participate and encourage those who don't yet to consider having their bills rounded up.

Through the spring and summer, we've been talking to lots of members who thought they were already enrolled in SharingChange but, in fact, were not. The easiest way to tell if you're enrolled is to see if your bill's amount due is not an even dollar amount. It's an easy fix, though. Just call us or log on to www.sharingchange.org. It's very easy to sign up.

We like to say that SharingChange is the easiest good thing you'll ever do. For some, having a rounded bill just makes it easier to balance the checkbook.



Chris Jones
President,
Middle Tennessee
Electric
Membership
Corporation

For others, it is an easy way to give back. But as easy and convenient as it may be, it is also something you can have confidence in because you can rest assured that 100 percent of your donations stays in your local community. Over the last 13 years, more than \$9 million has been given to more than 580 organizations in our cooperative's service territory.

So, what are small donations individually doing to create huge impact collectively — or, more appropriately, cooperatively? Our communities have benefitted, and so have a number of individuals, including local children whose wishes we've helped make come true through the Make a Wish Foundation.

Sometimes I'm asked why MTEMC does this. Why would an electric company make this effort? Well, it's simply a part of who we are supposed to be. As a cooperative, one of our core principles is commitment to community. SharingChange is your cooperative living out its principles. And, together, we can continue to make wishes come true across our service territory.

If you haven't already, please join us.

Do you have change on your bill? Round it up through ...

sharingchange
THE POWER OF COMMUNITY

A Middle Tennessee Electric Charitable Foundation

It's the easiest good thing you'll ever do!

MTEMC holds 80th annual meeting

Middle Tennessee Electric members re-elected three incumbents to the board of directors' open seats during the cooperative's annual meeting at Embassy Suites Murfreesboro Hotel and Conference Center in August.

Approximately 1,200 attended the meeting.

Incumbents Gloria O'Steen of Williamson County (District 1C), Mike Woods of Rutherford County (District 2B) and Charlie Bowman of Cannon County (District 3) were elected to the 2016-2019 board.

Additionally elected to the 2016 Nominating Committee were W.J. "Joey" Davis, Donald L. Lampléy and Juanita Patton, District 1 — Williamson County; Thomas "Teb" Batey II, Robert Mullins and Jamey Faulkner, District 2 — Rutherford County; Jeanne Melton, District 3 — Cannon



From left, Mike Woods, Gloria O'Steen and Charlie Bowman were re-elected to their board seats during the cooperative's annual meeting Aug. 27.

County; and Ken Howell, Hilton A. Mires and Quintin Smith, District 4 — Wilson County.

MTEMC board members serve rotating three-year terms, and the

Nominating Committee is responsible for nominating next year's board of directors candidates.

In an organizational meeting following the annual meeting, the board re-elected Woods as chairman, Tom Purkey of Wilson County, vice chairman, and Steve Seger of Williamson County, secretary-treasurer.

"We really look forward to this day every year," MTEMC President and CEO Chris Jones said. "The democratic process of members electing those who represent and serve them is an important piece of who we are as a not-for-profit, member-owned electric cooperative."

At the conclusion of the meeting, member Spiro and Dawn Dellos of Franklin won the grand prize — a used 2006 Chevy Malibu that had been retired from the MTEMC fleet.



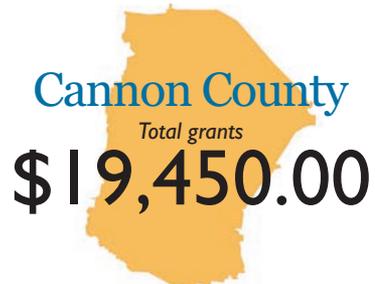
Spiro and Dawn Dellos of Franklin drove home the grand prize, a used 2006 Chevy Malibu that was retired from the MTEMC fleet of vehicles.

SharingChange 2015



The Refuge Center for Counseling	9,667.00
Williamson County Library Foundation	9,600.00
Battle of Franklin Trust	10,000.00
BRIDGES of Williamson County	7,500.00
Make-A-Wish Foundation of Middle Tennessee	10,000.00
Graceworks Minisistries	10,000.00
BCS Chamber Foundation Inc.	1,500.00
Williamson County Cultural Arts Commission	8,000.00
Williamson County Youth Orchestra	2,260.00
Restorative Justice Foundation Inc.	5,523.00
Community Outreach Ministries	9,098.19
Workforce Essentials Inc.	8,760.00
My Friend's House	4,200.00
Waves Inc.	5,350.00
Father & Son Bowl	10,000.00
Against the Grain Ministries	5,000.00
Sister Cities of Franklin & Williamson County	3,325.00
BrightStone	10,000.00
The Well Outreach	2,612.00
Community Housing Partnership of Williamson County	10,000.00
Christian Women's Job Corps	5,000.00
Nolensville Historical Society	9,000.00
People for Animals	5,000.00
U.S. Navy Sea Cadets	8,750.00
Habitat for Humanity of Williamson County	10,000.00
Mercy Community Healthcare	9,325.00
Arrington Volunteer Fire Department	9,975.00
The Arc of Williamson County	7,112.00
Owl's Hill Nature Sanctuary	5,900.00
Mid-Cumberland Human Resource Agency Youth CAN	5,000.00
YMCA of Williamson County	5,000.00
Nolensville Volunteer Fire Department	10,000.00
Saddle Up!	5,544.00
Barefoot Republic	5,000.00
Williamson County Literacy Council	10,000.00
The Gear Foundation	10,000.00

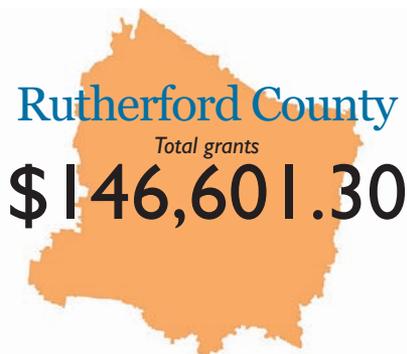
Wilson County Christmas for All	10,000.00
Big Brothers of Mt. Juliet	5,000.00
Community Homeless Outreach	2,599.95
Humane Association of Wilson County	2,500.00
Native American Indian Association	5,000.00
Senior Citizens Awareness Network	10,000.00
Wilson County CASA	1,400.00
Middle Tennessee Pow Wow	2,000.00
Boy Scouts of America — Middle Tennessee Council	3,000.00
Wilson County Business & Education Coalition Inc.	10,000.00
Wilson County Civic League Inc.	3,772.00
Fiddlers Grove Foundation Inc.	9,290.00
Exchange Club of West Wilson County	2,500.00
Friendship Fishing Club	1,000.00
Sight Seekers of the Blind Support Group	3,500.00
Habitat for Humanity	10,000.00
Charis Health Center	10,000.00
Fallen Soldiers March	10,000.00
Cedarcroft Home	5,000.00
Cedar Senior Inc.	6,000.00
Prospect Inc.	8,000.00
Lebanon Senior Citizens Center	5,778.95
Wilson County Shrine Club	800.00
Leadership Wilson	7,542.10
Sherry's Run Inc.	10,000.00



Cannon County SAVE	7,500.00
The Arts Center of Cannon County	3,000.00
St. Thomas Stones River Hospital	1,250.00
Cannon County Youth DREAM	5,000.00
American Legion Post 279	2,700.00

Total grants distrib

-2016 Annual Report



Domestic Violence Program	3,000.00
YMCA/ABC Program	5,000.00
Mid-Cumberland Human Resource Agency Youth CAN	5,000.00
Special Kids	5,000.00
Child Advocacy Center of Rutherford County Inc.	3,000.00
Uncle Dave Macon Days Inc.	7,000.00
Greenhouse Ministries	5,000.00
Community Servants Inc.	5,000.00
West Main Mission	5,000.00
Rutherford County Emergency Food Bank	10,000.00
Dominion Financial Management Inc.	5,000.00
Howard's Hope Inc.	2,500.00
International Folkloric Society Planning Council Inc.	7,500.00
Rotary Club of Murfreesboro	1,000.00
Tennessee Philharmonic Symphony Association Inc.	5,000.00
Archie's Promise	2,000.00
Smyrna Senior Citizens Center	6,051.30
Exchange Club Family Center	5,000.00
Rutherford County Historical Society	5,000.00
Murfreesboro Symphony Orchestra	2,000.00
Murfreesboro Noon Exchange Club	2,500.00
Alert Community Development Corporation	10,000.00
Carpe Artista	5,000.00
Primary Care & Hope Clinic	10,000.00
Lascassas Volunteer Fire Department	9,990.00
Rockvale Ruritan Club	6,560.00
Challenged Athletes Playing Equally	2,000.00
Area 16 Special Olympics	3,000.00
Center for the Arts	3,500.00

Customers Care Scholarships	20,000.00
Feed America First	10,000.00
Mental Health Association of Middle Tennessee	1,250.00
Center for Courageous Kids	9,600.00
Project Healing Waters	8,378.00
A.B.L.E Youth Inc.	718.00
The Tennessee Junior Dairy Show Foundation	5,000.00
Farm Animal Care Coalition of Tennessee	3,000.00
Heart of Tennessee Junior Meat Goat Classic	2,500.00
Children's Museum of Rutherford County	2,500.00
Ronald McDonald House Charities of Nashville	10,000.00
Nurses for Newborns of Tennessee	5,000.00
Pastoral Counseling Centers of Tennessee	5,000.00
Harpeth River Watershed Association	8,000.00
ONEless	5,000.00
Kymari House Inc.	6,000.00
Kids Battle Diabetes	10,000.00
STARS — Kids on the Block	6,100.00
American Sewing Guild	1,300.00
Shrine Hospitals for Children	10,000.00
Jay Banks Productions	10,000.00
Girl Scouts of Middle Tennessee	5,000.00
Beyond the Horizon Corporation	5,247.10
The Salvation Army of Murfreesboro	5,000.00
One Generation Away	4,817.92
Crohn's & Colitis Foundation	9,066.00
Alive Hospice	5,000.00
Tennessee Hemophilia & Bleeding Disorders	10,000.00
Interfaith Dental Clinic	10,000.00
Easter Seals Tennessee	10,000.00
Mountain Trackers Association	3,750.00
REBOOT Combat Recovery	5,000.00
Building Lives Foundation	5,000.00
Tennessee Senior Olympics	10,000.00
Muscular Dystrophy Association	10,000.00
Tennessee Beef Agribition	5,000.00
Tennessee Junior Dairy Show Foundation	5,000.00
Tennessee Environment Council	9,500.00

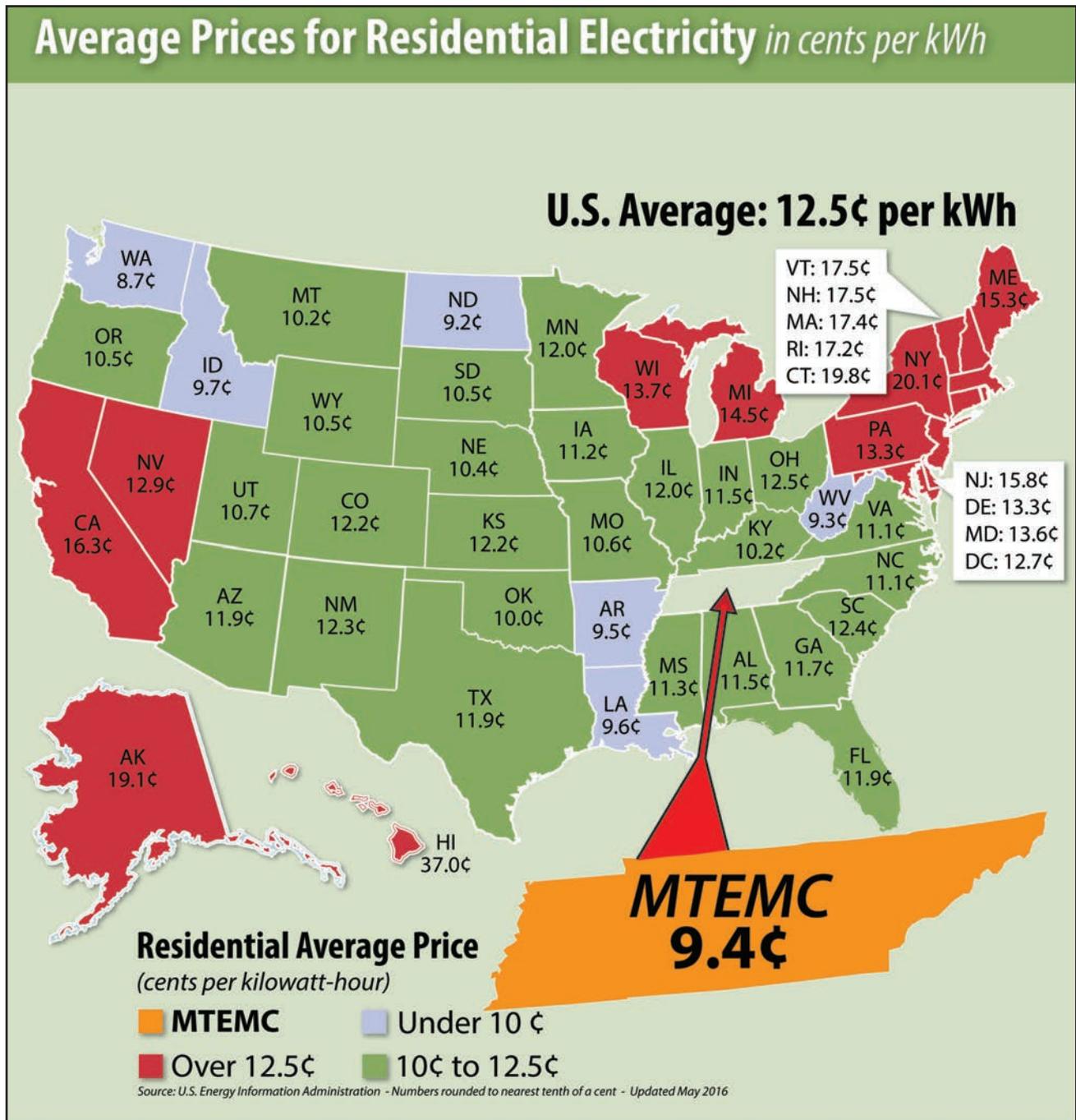


How are you helping your community?

www.SharingChange.org

uted: \$830,462.51

20 percent below the national average ... How your rates stack up nationally



Do you follow us on social media? If not, check us out!

 youtube.com/MTEMC1



facebook.com/MiddleTennesseeElectric



[@MidTnElectric](https://twitter.com/MidTnElectric)

TVA adjusts rates effective Oct. 1

Beginning this month, the Tennessee Valley Authority will charge Middle Tennessee Electric slightly more for the electricity we purchase. Similar to past years, MTEMC will not increase our members' rates beyond what TVA is charging.

Middle Tennessee Electric is a not-for-profit electric cooperative and will pass through this increase through the basic service portion of your monthly bill. This monthly charge, which all electric utilities have, is to cover fixed monthly costs. It is moving from \$16.75 to \$18.75 a month for residential members. At the same time, though, we are lowering the energy charge for impacted members.

It is important to note that MTEMC will earn no extra money through this adjustment. Additionally, the change will prove beneficial in summer and winter, when consumption is greater and TVA's rates are slightly higher. Again, that's because the energy charge will be lower with this change.

Although the price MTEMC pays for electricity is increasing, we continue to look for ways to implement the changes in the best interest of the membership while protecting your cooperative's financial stability.

In the September issue of *The Tennessee Magazine*, MTEMC President Chris Jones noted the average residential member's bill has remained stable since 2009.

While some of that stability falls on the cooperative managing costs, it also shows how well the membership is conserving energy and utilizing programs offered by MTEMC.

"Middle Tennessee Electric's rates are more than 20 percent below the national average, and our rates are lower, on average, than those of other power companies in Tennessee," said Jones.

Electricity remains a great value — from keeping home temperatures comfortable to heating our water to keeping our electronics charged. Middle Tennessee Electric remains committed to its mission of delivering affordable, reliable, safe electricity and outstanding member service.

Where do YOUR electric bill dollars go?

Just like our members, Middle Tennessee Electric receives a power bill, except ours comes from the Tennessee Valley Authority. Of every dollar MTEMC members pay, 82 cents goes to TVA.



Your cooperative operates on 18 cents of every dollar. Those funds are used to keep MTEMC running and working in providing you with affordable, reliable, safe electricity and outstanding member service. As your member-owned, not-for-profit electric cooperative, we strive to provide you with some of the country's lowest rates for electricity.

August grants

Howard's Hope

Rutherford County - \$1,000

United Way of Rutherford and Cannon Counties

Rutherford County - \$2,500

Camp STEM

Rutherford County - \$1,000

Boys and Girls Club of Rutherford County

Rutherford County - \$5,000

Young Life Murfreesboro

Rutherford County - \$1,500

Sons of the American Revolution — Tennessee Society

Rutherford County - \$5,000

Center for Living and Learning

Williamson County - \$9,490

Williamson County

4-H STEM Project Group

Williamson County - \$3,120

Take the Reins

Williamson County - \$6,000

Sister Cities of Franklin and Williamson County

Williamson County - \$3,700

Senior Citizens

Awareness Network

Wilson County - \$10,000

Wilson County Business and Education Coalition

Wilson County - \$10,000

Total grants:

\$58,310.00



Boys & Girls Clubs of Rutherford County

The Boys & Girls Clubs of Rutherford County is at the forefront of youth development, working with young people from disadvantaged economic, social and family circumstances. More than 2,800 young people are taking advantage of the programs, activities and services provided by Boys & Girls Clubs of Rutherford County.

SharingChange is a foundation created by Middle Tennessee EMC's board of directors for the sole purpose of giving back to the communities served by the cooperative. Funds granted by the foundation come directly from members and are then used in the county where they are collected.

"Concern for Community," the Seventh Cooperative Principle, focuses on members' needs while

helping develop the communities served.

Since 2003, MTEMC's charitable foundations have distributed more than \$9 million to more than 580 organizations in our communities. For more information, visit our website at www.SharingChange.org.

* SharingChange is a voluntary program, and members have the option to discontinue participation at any time.

July grants by county



WILLIAMSON

\$22,310

Beginning balance \$36,792.15

Incoming \$3,655.78

Funds available \$40,447.93

Ending balance* \$18,137.93

WILSON

\$20,000

Beginning balance \$141,368.29

Incoming \$2,609.25

Funds available \$143,977.54

Ending balance* \$123,977.54

RUTHERFORD

\$16,000

Beginning balance \$44,986.33

Incoming \$3,243.74

Funds available \$48,230.07

Ending balance* \$32,230.07

CANNON

\$0

Beginning balance \$3,122.19

Incoming \$381.98

Funds available \$3,504.17

Ending balance* \$3,504.17

* Ending balance is awaiting future grant applications.



Middle Tennessee Electric

Your Touchstone Energy® Cooperative



Don't watch? Don't pay!

Introducing **Flex Pack**,
a skinny bundle with **50+** popular channels.



Want More?

Add **Channel Packs** for only **\$10/mo.** each
First Channel Pack **Included!**

National Action Channel Pack

... and many more!

Variety Channel Pack **\$6!**

... and many more!

Kids Channel Pack

... and many more!

News Channel Pack

... and many more!

Locals Channel Pack

... and many more!

FREE **HBO** **CINEMAX** **STARZ** **HD** for life

FOR 3 MONTHS. Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service
+ High-Speed Internet

Internet prices starting at:
\$14.95

Restrictions apply. Subject to availability.

\$39.99 Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • SE HABLA ESPAÑOL



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends: 10/27/16. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$39.99 advertised price: Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. Available with 2-year price guarantee for additional cost: Programming package upgrades (\$54.99 for AT120+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. Premium Channels: Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. Other: All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. Visa® gift card must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash





Serving members
in all of McNairy County
and portions of Chester,
Hardeman and Hardin
counties in Tennessee
and Alcorn and
Tishomingo
counties in Mississippi



672 Highway 142
P.O. Box 49
Selmer, TN 38375

Phone Numbers:

731-645-3411
731-632-3333
1-800-372-8258

Outage Hotline:

1-866-260-4025

Web site:

www.pickwickcec.com

These seven pages
contain local news
and information
for members of
Pickwick Electric
Cooperative.

Electric sales continue to fall

Last October, I shared with our members that the decision to increase electricity rates was greatly influenced by a reduction in sales of about 16 million kWh per year. I had no idea that we were about to experience the largest one-year drop in sales we've seen in decades. In the fiscal year ending June 2015, Pickwick Electric Cooperative sold approximately 375 million kilowatt-hours. For the year ending June 2016, sales were down to 360 million kilowatt-hours, a reduction of 4 percent in one year. Some of this was, no doubt, due to the mild weather in November, December and February.

Another factor to be considered in this reduction is the impact of energy efficiency. A good example is the LED television. A few years ago, consumers were buying plasma and DLP televisions, which represented a great leap in picture quality and had become affordable. However, these televisions were power hogs. The newer LED televisions available today have even better picture quality, are more affordable and use only a few dollars worth of electricity per year. This scenario is true in many other areas as well: LED lightbulbs, high-efficiency heat pumps, new types of water heaters, refrigerators and other appliances. All of these higher-efficiency appliances are

having an effect on electricity sales nationwide.

At 4 p.m. on July 21, the Tennessee Valley Authority set a peak demand of 29,751 megawatts of electricity, a reduction of more than 7 percent under the same weather conditions as a similar day in 2007 when the peak demand was 32,000 megawatts.

I know you understand where this is leading. Beginning Oct. 1, PEC will

apply a 1.1-percent adjustment to our retail rate revenue. The increase to our residential class will be 1.0 percent.

In addition to PEC's rate changes, TVA will also implement an adjustment to our wholesale rates that will result in a 1.5-percent rise in retail rates.

Please know that we are continually looking for ways to reduce our expenses. We have just finished re-financing a large portion of our debt at a significantly lower interest rate. We will begin to realize those savings over the next year. We've also reduced our operating expense by \$200,000 over the last year. Changes such as these will help to keep the rate increases small.

For more than 80 years, our commitment has been to provide our members with safe, reliable and affordable electricity. We are constantly striving to fulfill that commitment.



John Bowers

President,
Pickwick Electric
Cooperative
jbowers@pickwick-electric.com

Smart, savvy, efficient electronics for the home

By Tom Tate

Gadgets, gadgets everywhere! With the current tech explosion, “techie” find themselves in a veritable paradise. Let’s take a look at some really cool and, at the same time, useful gadgets on the market today.

Security for the home and family is a top concern. How about a door lock that you can control from a smart phone? August, Lockitron, Goji, Kevo Lock from Kwikset and others offer such locks. Installation varies by model, but they provide nifty features like remote monitoring of lock status, temporary guest/contractor access, multiple users and more. Wi-Fi and Bluetooth are the two networks used.

Smart thermostats like Nest and Lyric get all the press, but practically anything you can imagine in your home can be controlled from that “super computer” nestled in your pocket or purse. A popular website, www.smarthome.com, offers a variety of products. A search on “smart phone home automation” produced 4,695 results — how’s that for control?

Here’s one example: The WeMo line by Belkin allows you to control individual lights and appliances through the use of its little plugs. Insert the WeMo plug into an outlet, connect the light or appliance and then, via your existing Wi-Fi network and the WeMo app, you can create schedules and exercise control over your home.

Phillips makes an individually controllable LED bulb called Hue. Using its app, you can control the light level, on/off schedule and color. Phillips even developed a custom scenario for a recent SyFy series to recreate the mood of the series itself. A bit much, perhaps, but pretty cool nonetheless. Yes — you can achieve energy savings and create a party mood all at once.

In addition to controlling various aspects of your home’s operation and thereby increasing both security and savings, you can monitor it from afar to be sure all is well. When you’re away from home, Smarthome’s Elertus ELRT-107 Wi-Fi Smart Sensor comes in handy. This single sensor can monitor temperature and the presence of water (say, from flooding or frozen pipes), among other things. While pricey, it could more than pay for itself in peace of mind and damage avoidance. Couple this with a



Customize your “smart home” and turn anything in your house to an Internet-connected device with the Smart Home Kit from LittleBits.

smart water shutoff and, if you get a leak alert, you’ll be able to turn off the water to avoid damage — all via the comfort of your smart phone.

If you envied Mr. Spock’s tricorder, check out Lapka. This sleek and elegant set of sensors allows you to measure electromagnetic fields (EMFs), radiation, temperature/humidity and even the level of nitrates in foods to be sure they are truly organic. With Lapka, you can be sure your personal space is clean and healthy. All the results show up on the Lapka smartphone app.

How about something for you tinkerers out there? Look no further than www.littlebits.com. LittleBits are just that, little bits of technology you snap together to make your own controls. How about a remote garage door sensor? Or a bark monitor? Or controlling a window air-conditioning unit via the internet? All possible with LittleBits’ Smart Home Kit. Or, you can build your own smart door lock with an Arduino and some other parts.

From energy savings to security to convenience to fun, the market is full of products and apps that put you firmly in control of your home and how it operates. It’s a gadget-lover’s paradise, indeed.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation’s 900-plus consumer-owned, not-for-profit electric cooperatives.

PEC celebrates National Cooperative Month by sharing John Mitchell's story

By Beverly Lambert, HR/Communications Coordinator

As we celebrate National Cooperative Month in October, I decided to visit with longtime member and Pickwick Electric Cooperative retiree John Mitchell.

Born and raised in McNairy County near the Mt. Gilead community, Mitchell attended school at Rose Creek and Selmer High School. His family — like most others in the 1930s — farmed and raised animals.

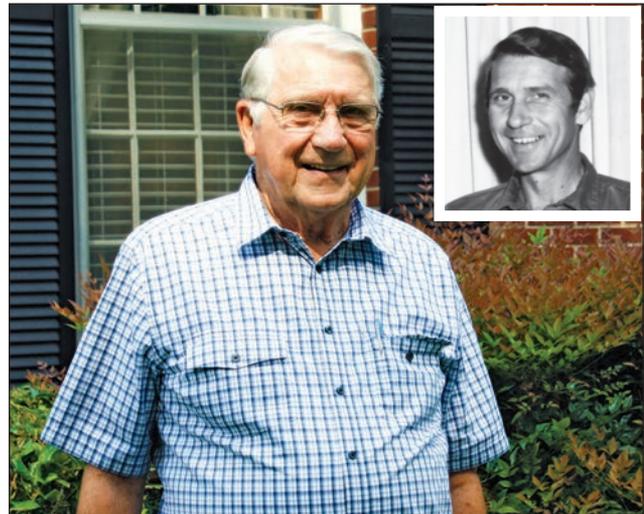
“My family first got electricity in 1947,” John recalls. “The first appliance we purchased was a refrigerator. Our only means of communication was a battery radio. It was typically used to get the weather and market reports.

“I joined the National Guard at age 17 and served for 16 years. I had weekend duty and two weeks’ duty in the summer.

“My first job was at Pickwick Electric Cooperative during the summer of 1951. I started out as a temporary laborer building a three-phase line to Finger. When fall came, I was one of only two out of seven temporary employees selected to stay on as full-time help. Marvin Wilkes was the operations superintendent at that time.

“Staying with PEC was one of the smartest moves I made in my life. As a full-time employee, I started with the right-of-way crew, moved to the meter reader position for approximately five years and then had an opportunity to progress to the line crew. During this time, I went into the lineman training program, completed the courses and advanced to the journeyman lineman position. I worked as a lineman for several years. As luck would have it, someone retired, and I had a chance to move into the line foreman position.

“In the course of my years, I worked the entire system and felt that I gained a lot of knowledge and got acquainted with a large number of our



John Mitchell was a PEC employee for 46 years and has been a co-op member since 1951.

members. I learned that one of the most important skills to achieve was people skills.

“When Mr. Wilkes retired, I took the operations superintendent position and came into the office. I worked for three different managers during my time at PEC — William M. Roberts, T. Wayne Brown and C. L. Gwin — as well as interim manager Noel Landreth.

“I have no complaints about my time at Pickwick Electric Cooperative; it was my life for 46 years. I had a radio by my bed, and when the call came, my wife, Coy, was my dispatcher. She was always by my side and fully supported me. She worked in the beauty shop, raised our three kids and helped me whenever I needed it.

“I’ve been retired for almost 20 years now. Coy and I have been very fortunate. We’ve traveled some and spent a great deal of time with our kids and grandkids. Actually, we’ve made it to Florida twice this year — and at age 84, I’d say that’s pretty amazing. We have truly been blessed.”

“I’d say that Pickwick became the cooperative it is today due to a lot of hard work and many dedi-

cated employees — from the line crew to the office personnel. The co-op has been through a great number of changes, but it seems to me that its purpose remains the same: to provide members with safe, reliable electricity. In my eyes, the main things the co-op needs to focus on are public relations and keeping the power flowing. It's a difficult task, I know. I worked through lots of storms and weather-related events during my years at PEC."

John was known for his words of wisdom and his tales. He was invited to share the stage many times at Engineering and Operations Conferences. At one of the meetings, he was asked, "What was the best promotion you ever got at PEC?" His reply: "The move from the back of the truck to the cab."

"I got lots of laughs over that," Mitchell recalls.

"At age 65, I decided it was time for me to retire. The rules and regulations were changing so

quickly that I knew I had to go. I was ready to move on to the next phase of my life. My health was still good, and the good Lord had blessed me. So, without hesitation, I knew it was time to go home.

"I've had electric service with PEC since 1951. I believe in the co-op, and I feel that it continues to provide the best service possible. Bringing electricity to the rural areas is one of the greatest things that has ever happened. Cooperatives have built a better world, and for me, being a part of the cooperative has truly been special. As a retired cooperative employee, if I could offer any advice to the PEC president, it would be to have a quick response time when the power fails. It's still the co-op's responsibility to listen to its members."

I really enjoyed my visit with John and Coy, and I appreciate both of them sharing a few of their co-op memories.



UTILITY POLES ARE NOT BULLETIN BOARDS

Think before you post that sign!
Staples, nails and tacks used to hang signs and fliers create dangerous obstacles for electric lineworkers.
Their jobs are dangerous enough – help us keep them safe!

Pickwick Electric Cooperative

Balance Sheet — June 30, 2016

ASSETS

ELECTRIC PLANT

In Service — at Cost	\$96,465,771
Construction Work in Progress	<u>407,284</u>
	96,873,055
Less: Accumulated Provision for Depreciation	<u>19,339,165</u>
NET ELECTRIC PLANT	<u>77,533,890</u>

OTHER ASSETS AND INVESTMENTS

Notes Receivable — TVA Program	1,625,680
Other Investments	<u>1,077,993</u>
TOTAL OTHER ASSETS AND INVESTMENTS	<u>2,703,673</u>

CURRENT ASSETS

Cash and cash equivalents	3,019,349
Accounts receivable (less allowance for doubtful accounts of \$50,000 in 2016)	2,259,118
Other Receivables	2,400,250
Materials and Supplies	567,073
Other Current Assets	<u>120,526</u>
TOTAL CURRENT ASSETS	<u>8,366,316</u>

TOTAL ASSETS \$ 88,603,879

EQUITY AND LIABILITIES

EQUITY

Memberships	\$ 92,450
Patronage Capital	<u>40,294,892</u>
TOTAL EQUITY	<u>40,387,342</u>

LONG-TERM LIABILITIES

Other Long-Term Liabilities — Patronage Capital	113,916
Long-Term Debt — Less Current Portion	<u>38,734,066</u>
	<u>38,847,982</u>

CURRENT LIABILITIES

Current Portion of Long-Term Debt	1,471,876
Accounts Payable — Purchased Power	4,937,533
Accounts Payable — Other	380,435
Customer Deposits	1,382,104
State Sales Tax Payable	53,527
Accrued Taxes	400,007
Accrued Interest	50,117
Accrued Payroll	126,436
Accrued Vacation	564,077
Other Current Liabilities	<u>2,443</u>
TOTAL CURRENT LIABILITIES	<u>9,368,555</u>

TOTAL EQUITY AND
LIABILITIES \$ 88,603,879

We have audited the accompanying balance sheet of Pickwick Electric Cooperative, Selmer, as of and for the year ended June 30, 2016, and the related statements of revenue and patronage capital and cash flows for the year then ended. These financial statements are the responsibility of Pickwick Electric Cooperative's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in "Government Auditing Standards," issued by the comptroller general of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

In our opinion, the financial statement referred to above presents fairly, in all material respects, the respective financial position of Pickwick Electric Cooperative as of June 30, 2016, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

In accordance with "Government Auditing Standards," we have also issued our report dated Aug. 5, 2016, on our consideration of Pickwick Electric Cooperative's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with "Government Auditing Standards" in considering Pickwick Electric Cooperative's internal control over financial reporting and compliance.

Godwin and Associates, PLLC

Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more

importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air

but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, service arm of the nation's electric co-ops.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



ENERGY VAMPIRES ARE LURKING IN YOUR HOME



Save energy in your home by locating energy vampires!

These are the electronics and appliances that consume energy even when they are not being used. *Circle the energy vampires below, and use the key to check your answers.*



OVEN



CELL PHONE
CHARGER



CABLE/SET TOP BOX



LAPTOP
CHARGER



DISHWASHER



LAMP



Answer Key:
Cell phone charger, Laptop charger, Cable box

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Powell Valley Electric Cooperative

Serving all of Hancock County and portions of Claiborne, Grainger, Union and Hawkins counties in Tennessee and portions of Lee, Scott and Wise counties in Virginia.

Randell W. Meyers,
General Manager/CEO

JoAnn Dillingham,
Director of Accounting
and Finance

Gary Hatfield,
Director of Special Projects

Charles "Bo" Goodin,
Assistant General Manager

Ronnie Williams,
Tazewell Area Supervisor

Jason Stapleton,
Jonesville Area Supervisor

Joey Southern,
Sneedville Area Supervisor

PVEC office hours

Monday through Friday,
8 a.m.-5 p.m.

Tazewell office:

Service requests: 423-626-0707
Billing inquiries: 423-626-0706
Outages/trouble: 423-626-5204
Other inquiries: 423-626-5204

Jonesville office:

Service requests: 276-346-6003
Billing inquiries: 276-346-6003
Outages: 276-346-6065
Other inquiries: 276-346-6016

Sneedville office:

All inquiries: 423-733-2207

Calls to all PVEC locations will be answered by emergency operators after office hours and on weekends and holidays.

Visit us at www.pve.coop.

You also can contact us via email: info@pve.coop

PVEC Board of Directors

Roger Ball, President

David T. Kindle, Vice President

Judith Robertson, Secretary-Treasurer

Gary Russell

Mikel Sharp

Dale McNeil

Allen Parkey

Michael Shockley

Dr. John Short

AS I SEE IT

Manager's Viewpoint

Be prepared for winter weather!

As the air turns cooler and leaves begin to fall, there's an awareness that fierce winter weather could soon be here. While we all can appreciate the beauty of a winter wonderland, we also need to be mindful that snow and ice storms can lead to downed power lines and outages.

It is impossible to predict what type of obstacles Mother Nature may send our way, and that is why we make preparations throughout the year for these unforeseen circumstances. Severe weather has the potential to affect all our lives, so we want you to be prepared, too. We make an effort at least once a year to share with you some tips that could help make these situations a little more bearable.

Remember these tips to stay safe and warm should you find yourself in the dark after a severe winter event:

- Stock up on easily prepared foods and food items: bread, crackers, canned foods, pow-

dered milk, dry cereals, peanut butter, baby food and formula.

- Set aside water: Plan to have at least 1 gallon of water available per person for each day without power.
- Gather emergency materials: Flashlights, candles and matches, wood for fireplace or wood stove, battery-powered weather radio, extra batteries,



Randell W. Meyers
General Manager/CEO
Powell Valley
Electric Cooperative

first-aid supplies, blankets, sleeping bags and a manual can opener.

- Never touch a fallen power line, and assume all wires on the ground are electrically charged. Call Powell Valley Electric Cooperative to report it immediately. Avoid contact with overhead lines during cleanup and other activities.
- In the event of an outage, you may use an alternate heating source — such as a fireplace, propane space heater, or wood stove. But exercise extreme caution.
- Plan to stay in an area of the home where the alternate heat source is located.

- Fuel- and wood-burning heating sources must be vented. Be sure to follow manufacturers' directions.
- Make sure carbon monoxide detectors and smoke detectors are working properly.
- Do not use a gas or charcoal grill inside the home. Do not use charcoal briquettes in the fireplace.
- If you use a portable generator to power a heating source, be sure the generator is located outside your house for proper ventilation. Do not use a generator in an attached garage. Follow the manufacturer's directions for operating the generator.

- Never connect generators to power lines. The reverse flow of electricity can electrocute an unsuspecting utility worker.

Anytime there may be a power outage for an extended period of time, please remember to check on your elderly family members and neighbors to ensure their safety and well-being. When winter weather strikes and leaves you without electricity, know that PVEC is on standby for any power outages. We'll be on the job until the last customer affected by a power outage has service restored.

— Randell W. Meyers

Fall into a new habit

With daylight saving time ending Sunday, Nov. 6, remember to change something other than your clock.

The National Fire Protection Association (NFPA) recommends that you also change the batteries in your smoke detector. According to NFPA, smoke detectors have cut the number of home fire deaths in half since they were installed in homes during the 1970s. Unfortunately, a third of those smoke alarms won't sound due to dead, missing or disconnected batteries, according to NFPA. While changing your batteries, keep these other smoke alarm tips from NFPA in mind:

- Don't paint the smoke alarm or place decorations near it that might prevent it from working properly.
- Test smoke alarms monthly by using the alarm's test button.
- Replace the batteries in your smoke alarms to keep them in proper working order.
- Replace your smoke alarms every 10 years.
- Never "borrow" a battery from a smoke alarm.

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient

lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the Energy Star rating, you can save \$75 each year.

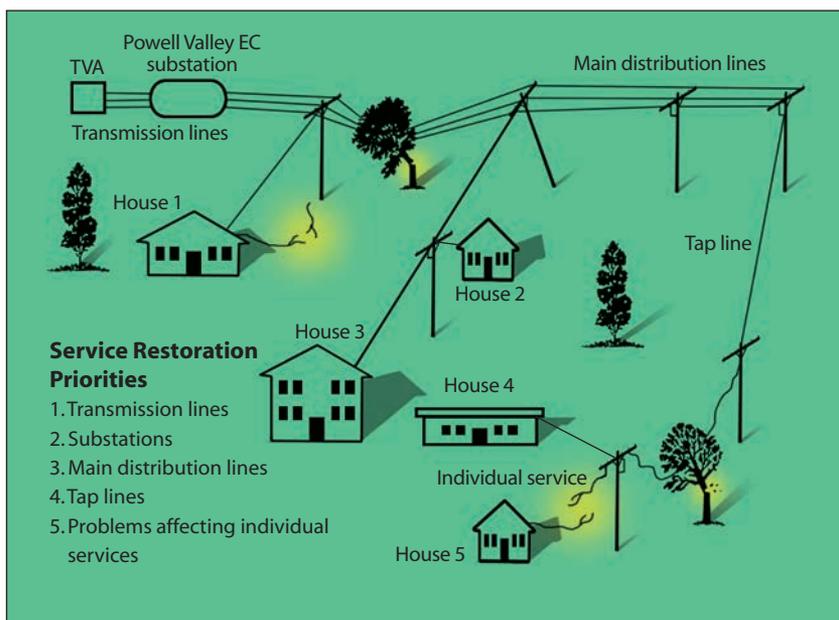
Source: energy.gov

The power restoration process

To help you understand the power-restoration process that must be followed during a major outage, we want to illustrate, with the use of the diagram at right, how Powell Valley Electric Cooperative goes about doing this important work.

During the restoration process, service priorities must be followed in order to get the power back on as quickly and as safely as possible. Attention must first be given to restoration of service to the main power source — that is to the substation or main three-phase lines if problems are affecting them. It's comparable to electric service in your home or business — it would be futile to plug an appliance into a wall outlet if your main switch were thrown. During a major power outage, it would be useless for PVEC crews to attempt to restore power to a tap line that serves your home if the problems back at the substation or main distribution line weren't corrected first.

In this illustration, all the houses are without electricity, and there is no damage at the substation. When the main three-phase feeder line is repaired, service to houses 2 and 3 should be restored automatically because there is nothing wrong with the line leading to them. The



next step would be to repair tap lines leading off the main feeder line. In the diagram, the tree would be removed from the tap line and the line repaired. Service would be restored to house 4. Now, repairs would be made at individual homes. As this work is completed, electric service is restored to houses 1 and 5.

Of course, this is an extremely simplified version of the power restoration process, and the time involved would depend on the extent of damage to the electric system.

Restoration updates

During a major outage, Powell Valley Electric Cooperative will have updated radio announcements regarding power restoration. For your information, here is a list of radio stations where you can tune in for updates:

WNTT 1250 AM

Tazewell, Tennessee

WLMU 91.3 FM

or WCXZ 740 AM

Harrogate, Tennessee

WJNV 99.1 FM

Jonesville, Virginia

WFXY 1490 AM

or WMIK 560 AM

Middlesboro, Kentucky

WSWV 1570 AM

or 105.5 FM

Pennington Gap, Virginia

WANO 1230 AM

Pineville, Kentucky

Halloween safety tips

Halloween is an exciting time of year for kids, and to help ensure they have a safe holiday, here are some tips from the American Academy of Pediatrics:

All dressed up

- Plan costumes that are bright and reflective. Make sure that shoes fit well and that costumes are short enough to prevent tripping, entanglement or contact with flame.
- Consider adding reflective tape or striping to costumes and trick-or-treat bags for greater visibility.
- Because masks can limit or block eyesight, consider non-toxic makeup and decorative hats as safer alternatives. Hats should fit properly to prevent them from sliding over eyes.
- When shopping for costumes, wigs and accessories, look for and purchase those with a label clearly indicating they are flame-resistant.
- If a sword, cane or stick is a part of your child's costume, make sure it is not sharp or too long. A child may be easily hurt by these accessories if he or she stumbles or trips.
- Give flashlights with fresh batteries to all children and their escorts.
- Review with children how to call 911 (or their local emergency number) if they ever have an emergency or become lost.



one car stops doesn't mean others will!

Home, safe home

- To keep homes safe for visiting trick-or-treaters, parents should remove from the porch and front yard anything a child could trip over such as garden hoses, toys, bikes and lawn decorations.
- Parents should check outdoor lights and replace burned-out bulbs.
- Restrain pets so they do not inadvertently jump on or bite a trick-or-treater.

On the trick-or-treat trail

- A parent or responsible adult should always accompany young children on their neighborhood rounds.
- If your older children are going alone, plan and review the route that is acceptable to you. Agree on a specific time when they should return home.
- Only go to homes with a porch light on, and never enter a home or car for a treat.
- Because pedestrian injuries are the most common injuries to children on Halloween, remind trick-or-treaters:
 - ♦ Stay in a group and communicate where they will be going.
 - ♦ Remember reflective tape for costumes and trick-or-treat bags.
- ♦ Remain on well-lit streets, and always use the sidewalk.
- ♦ If no sidewalk is available, walk at the far edge of the roadway facing traffic.
- ♦ Don't assume the right of way. Motorists may have trouble seeing trick-or-treaters. Just because

Healthy Halloween

- A good meal prior to parties and trick-or-treating will discourage youngsters from filling up on Halloween treats.
- Consider purchasing nonfood treats such as coloring books or pens and pencils for those who visit your home.
- Wait until children are home to sort and check treats. Though tampering is rare, a responsible adult should closely examine all treats and throw away any spoiled, unwrapped or suspicious items.
- Try to ration treats for the days following Halloween.

Source: ©2015 American Academy of Pediatrics

Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more

importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air

but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, service arm of the nation's electric co-ops.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- **Efficiency can be as much as 2.5 times higher than an electric resistance alternative**
- **Cool surrounding space in the summer, making the area more comfortable**
- **Use waste heat from the central furnace during winter months**
- **May qualify for \$300 Federal Tax Credit in 2016**
- **Can save \$330 annually for a family of four, depending on water use and electricity rates**

CONS

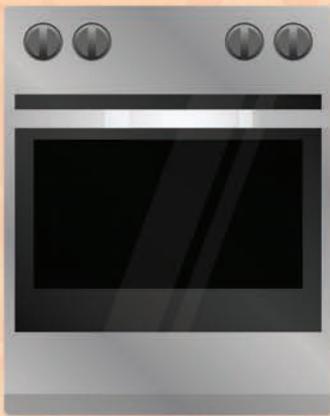
OF HEAT PUMP WATER HEATERS (HPWH)

- **Cost about twice as much as electric resistance water heaters**
- **The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use**
- **Make the heating system work harder during winter months because it generates cold air while operating**
- **Physical size of an HPWH can be greater than an electric resistance alternative**
- **Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump**
- **Slow recovery may be a problem when demand for water is high**

ENERGY VAMPIRES ARE LURKING IN YOUR HOME



Save energy in your home by locating energy vampires!
These are the electronics and appliances that consume energy even when they are not being used. *Circle the energy vampires below, and use the key to check your answers.*



OVEN



CELL PHONE
CHARGER



CABLE/SET TOP BOX



LAPTOP
CHARGER



DISHWASHER



LAMP



Answer Key:
Cell phone charger, Laptop charger, Cable box

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Southwest Tennessee Electric Membership Corporation

1009 E. Main St.
Brownsville, TN 38012
stemc.com

President
Kevin Murphy
kmurphy@stemc.com

Vice President of Operations
Phillip Mullins
pmullins@stemc.com

Vice President of Engineering
William Gordon
wgordon@stemc.com

Vice President of Finance
and Member Services
Scott Sims
ssims@stemc.com

Vice President of Human
Resources and Communications
Mark Only
monly@stemc.com

Vice President of Purchasing
and Fleet
Trent Hall
thall@stemc.com

Brownsville District
Phone: 731-585-0554
Donna Winchester, Director
of Member Services
dwinchester@stemc.com

Covington District
Phone: 901-476-9839
Ruth Tate, Office Supervisor
ruthtate@stemc.com

Atoka District
Phone: 901-837-1900
Ruth Tate, Office Supervisor
ruthtate@stemc.com

Henderson District
Phone: 731-989-2236
Delana O'Neal, Office Supervisor
doneal@stemc.com

Jackson District
Phone: 731-427-3311
Delana O'Neal, Office Supervisor
doneal@stemc.com

STEMC Board of Directors
Chairman
Hugh Harvey — Jackson
Vice Chairman
James Allan Ferguson — Whiteville
Secretary/Treasurer
Audrey Blue — Brownsville
Jackie Butler — Henderson
Allen King — Brownsville
Claire Marshall — Mason
David McDaniel — Brighton
James Rose — Burlison
Norma Turner — Covington
Robert Kendrick — Brownsville
Attorney
Patrick H. Mann — Brownsville

Connect with us at
stemc.com or on



AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

Every October, cooperatives from all sectors across the country celebrate National Cooperative Month to recognize the cooperative difference and remind you, the members of the co-op, about Southwest Tennessee Electric Membership Corporation's purpose.

I must admit that occasionally, I, too, have been somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

Celebrating National Cooperative Month informs others about our unique business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members who are familiar with the principles, the month of October is a great opportunity to renew our connection to each other and the purpose of our cooperative. The core mission of STEMC is to provide safe, affordable and reliable electric service consistent with sound business practices.

In the U.S., more than 29,000 co-ops serve in every single industry. Many

co-ops from different sectors join together during the month of October to educate members in the community about cooperatives.

There are more co-ops in our local community than most people realize. Some examples are the many Farmers Co-ops across the Mid-South, Ace Hardware, True Value and Do It Best Hardware. Co-ops are even represented by products such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more on the shelves at our local grocery stores.

According to the latest data, more than 130 million people in the U.S. alone belong to co-ops, and co-ops employ more than 2 million Americans.

This speaks to the heart of why we must take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops right here in our local community and be an active member of STEMC.



Kevin Murphy
President,
Southwest Tennessee Electric
Membership Corporation

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Power to the people

Powered by people you know

When you think about the Tennessee Valley, what comes to mind? Perhaps you think about mountains and lakes, sprawling farmland or the hardworking people who make this part of the United States a great place to work and live.

Chances are you didn't think about "Valley Power," although it is one of the Valley's most valuable and unique assets.

Valley Power is the combination of public power and cooperative utilities that collectively serve more than 9.3 million people in the seven Valley states by providing them with low-cost, efficient and reliable electric power. It's a unique concept.

Owned by the people we serve

Southwest Tennessee Electric is one of those Valley cooperatives and is owned by the people we serve. We focus on delivering reliable and affordable electricity as part of our mission of service to our communities.

And we do it without thought of making a profit. After the bills are paid, the remaining funds are reinvested in our utility to make it better. There aren't any investors in faraway places



whose only motivation is a return on their investments in the utility. And we're locally based with offices you can visit or call directly to conduct business and employees who are part of the community.

STEMC puts people first. We don't want you to spend more than you have to for energy. Our electric rates are set to cover the cost of running the business and to make investments that will keep our system operating efficiently and reliably in the future.

We are not in business to just sell a product. It's important that our customers use electricity safely and efficiently. To that end, we provide seasonal energy tips and energy-efficiency incentives for home and business improvements. Wise energy use is a priority.

We also ensure your service is reliable. You want and need to be cool through record heat and warm in the bone-chilling cold. You deserve to have your service restored as quickly as possible following tornadoes, ice storms and other disasters. Our promise to our customers is to do everything humanly possible to plan for and respond to Mother Nature in the most effective and efficient means possible.

TVA is our partner

We work closely with the Tennessee Valley Authority, our power supplier and regulator. TVA is a vital partner.

Created in 1933 with a mandate to provide electricity at the lowest possible cost and to foster environmental stewardship and economic development, TVA is continually seeking ways to maximize its efforts in stewardship and efficiency for the benefit of all customers in the seven-state Valley footprint.

TVA and local power companies effectively transformed the Valley more than 80 years ago, and because we are locally governed and members of our respective communities, we are dedicated to being the catalyst for transformation in a changing technological, social and political world. That is the legacy we want to leave for future generations so they, too, can benefit from our unique business model.



The collaborative effort we undertake daily with TVA is paramount to the communities we serve, and it is a responsibility we take very seriously. We work for you, and we are committed to making your life better.

We celebrate the concept of Valley Power this month. Southwest Tennessee Electric Membership Corporation is one of the 23 cooperatives in Tennessee — we say thank you for the trust you have placed in us.

Valley Power is truly "powered by people you know." Our commitment is to the communities we serve as we help them shine as great places to live, work and raise a family.

STEMC celebrates 80th anniversary

By Cathy Yearwood, STEMC Executive Assistant

More than 900 people attended the Southwest Tennessee Electric Membership Corporation's annual members' meeting on Aug. 12 at the Jackson Fairgrounds Park.

Members were treated with registration gifts of throw blankets depicting a lineman climbing a pole and were also given koozies and caps. Heavenly Ham served box meals for everyone, and STEMC employee Ricky Traylor and retiree David German grilled hot dogs for the crowd.

Children were entertained by Magical Mink's jump houses and games and were treated to popcorn, cotton candy and sno-cones.

Hugh Harvey, chairman of the STEMC board, conducted the business meeting, which opened with the presentation of the colors by American Legion Post No. 243 and the singing of the National Anthem by the Jackson Christian School Chorus. Audrey Blue, secretary-treasurer, presented the results of the directors' election and announced that Jackie Butler, Claire Marshall and Allan Ferguson had won the elections and will serve three-year terms.



Ellis Osburn, left, STEMC winner of the Youth Tour Creative Writing Contest, receives a check from the Tennessee Electric Cooperative Association's Trent Scott.

Chairman Harvey also presented a plaque to W.B. McKinnon for his 33 years of dedicated service as a board member.



Grand Ole Opry star Mike Snider, center, entertains a crowd of more than 900 STEMC members at the 2016 annual meeting.

Trent Scott from the Tennessee Electric Cooperative Association recognized the winners of the Washington Youth Tour Creative Writing Contest and presented a \$200 prize to STEMC overall winner Ellis Osburn.

The crowd enjoyed entertainment by well-known banjo player and humorist Mike Snider, a member of the Grand Ole Opry and former cast member of the TV show "Hee Haw." Many attendees lined up after his show to buy his CDs and have their pictures taken with the star.

As always, many members won door prizes, including TVs, rocking chairs, electric appliances and bill credits. Winners of the TVs were Jerry Birdwell, Beech Bluff; Linda Morris, Whiteville; James Plunk, Henderson; Kaye Bradshaw, Covington; and Gerald Johnson, Munford. Taking home rocking chairs from Cracker Barrel were Calvin Wray, Jackson; Lonnie Hendrix, Bells; Brenda Collins, Henderson; Vicki Smith, Atoka; and Ruby Thomas, Covington.

All in all, everyone had a great time, and the employees and management of Southwest thank the members who came out and supported their cooperative.



Above left, winners of the TVs are Jerry Birdwell of Beech Bluff, Linda Morris of Whiteville, Kaye Bradshaw of Covington, James Plunk of Henderson and Gerald Johnson of Munford. Above right, rocking chair winners are Brenda Collins of Henderson, Vicki Smith of Atoka, Ruby Thomas of Covington, Lonnie Hendrix of Bells and Calvin Wray of Jackson.

Annual Meeting 2016



Results of Director Elections
These members were elected to three-year terms:

Jackie Butler, Chester County
Claire Marshall, Tipton County
Allan Ferguson, Hardeman County



High-voltage demonstrations

Education could save your life

By Tina Morris, STEMC Communications and Community Outreach Specialist

Southwest Tennessee EMC hosted high-voltage safety demonstrations at various locations in August. The trailer made its debut at STEMC's annual meeting on Aug. 12 for co-op members, and demonstrations for local first-responders and the general public were held the week of Aug. 15-19 in Jackson, Henderson, Brownsville, Atoka and Covington.

The high-voltage demonstration trailer, on loan to STEMC from the Job Training and Safety program of the



High-voltage demonstration trailer

- An aluminum ladder contacting a power line
- Firefighting gear coming into contact with a line
- What goes on during an outage
- The importance of calling Tennessee 811 to locate underground utilities
- Generator safety and the importance of using transfer switches

“Education for our members and first-responders plays an integral role in getting them home safely after encountering a power line emergency,” said Holland in explaining the importance of conducting programs like the high-voltage safety demonstrations.



STEMC Safety Coordinator Brian Holland demonstrates the potential dangers of downed power lines.

Tennessee College of Applied Technology, was constructed to increase awareness of the potential dangers of electricity.

Presenting the demonstrations were STEMC Safety Coordinator Brian Holland; lineman Thomas Carlton from the Brownsville office; apprentice lineman Curtis Thornton and Line Foreman Tim Curlin from the Atoka office; and lineman Chris Austin from the Jackson office.

There was no lack of attention from the crowds as these pros showed the audiences the importance of remaining safe around power lines. They simulated these situations during the demonstrations:

- Downed power line on a car
- Tree limbs on a power line



The danger of contacting underground power lines is just one reason you should call 811 before you dig.

SCADA reclosers improve reliability

By Michael Russell, STEMC Distribution Engineer

Southwest Tennessee EMC is always looking for ways to improve system reliability. One of the things STEMC is doing to minimize customer outage frequency and duration is making improvements to reclosers located on the distribution lines.

Reclosers are used on overhead distribution systems to detect and interrupt momentary faults. Since many short-circuits on overhead distribution lines clear themselves, a recloser improves service continuity by automatically restoring power to the line after the momentary fault.

For instance, a limb that is blown off a tree during a wind storm and lands on

the line may cause a short circuit. Typically, the fault will quickly clear itself as the limb falls to the ground. But if the fault is still present, the recloser opens again, and after a number of

attempts to allow the fault to clear itself, the recloser will lock out in the open position, isolating the problem area of the distribution line.

Reclosers also help divide the distribution system into smaller sections and prevent a fault on one section from impacting customers in another section on the same distribution line.

By adding Supervisory Control and Data Acquisition (SCADA) technology to the reclosers, STEMC is able to obtain additional useful information. For example, STEMC can obtain outage notifications from the recloser device and improve outage restoration. By knowing which recloser opened to



isolate a fault and on which phase the fault occurred, STEMC can help direct line crew efforts when investigating the cause of an outage. The SCADA information can be used for load flow studies and system modeling as well. STEMC can remotely open and close the recloser and remotely disable, reclose or place a Hot Line Tag (HLT) on the recloser for crew safety. All of this is possible because of the added SCADA capability on the recloser.



Water Heater Rebate Program

Water-heating is typically the second-largest energy expense in your home after space-heating and cooling, usually accounting for about 14 percent of your utility bill. If your gas water heater is more than 10 years old, it probably has an efficiency level no higher than 50 percent. An old water heater can operate for years at very low efficiency before it finally fails.

Any new home or manufactured home can receive a \$50 rebate for installing an electric water heater. Members who replace an existing electric water heater will receive a \$50 rebate. Members who change from gas to electric will receive an additional \$150 rebate.

For more information, visit www.stemc.com or contact Martha Traylor at 731-585-0542.



Visit our website for all that is new at STEMC!
View our up-to-date
OUTAGE MAP
and much more!

www.stemc.com

Find us on 



Southwest Tennessee Electric Membership Corporation

A Touchstone Energy® Cooperative 

Financial Statements for the Fiscal Year Ended June 30, 2016

Balance Sheet as of June 30, 2016	
Assets	
Electric plant in service	\$ 200,531,000
Less depreciation	75,513,235
Total	<u>125,017,765</u>
Other property and investments	2,460,694
Current and Accrued Assets	
Cash and temporary cash investments	9,235,414
Accounts receivable	7,174,650
Interest receivable	27,979
Rents receivable	311,760
Materials & supplies	1,476,218
Prepaid expenses	242,959
Total	<u>18,468,980</u>
Deferred Debits	
Receivables-TVA heat pump program	1,443,338
Receivables-sale of plant (from annexations)	1,969,099
Other deferred charges	191,466
Total Assets	<u>\$ 149,551,342</u>
Capital & Liabilities	
Memberships	\$ 217,620
Earnings reinvested in system assets	80,395,916
Total capital	<u>80,613,536</u>
Long term debt	43,674,723
Other non-current liabilities-TVA heat pump program	1,430,980
Current and Accrued Liabilities	
Accounts payable	14,682,267
Customer deposits	6,143,158
Accrued taxes and interest	965,120
Other current liabilities	2,013,742
Total	<u>23,804,287</u>
Deferred credits - aid to construction	27,816
Total Capital & Liabilities	<u>\$ 149,551,342</u>

Statement of Revenues and Expenses for the fiscal year ending June 30, 2016	
Operating Revenue	
Sale of electricity	
Residential	\$ 72,636,228
Commercial	9,383,095
Industrial	16,991,327
Street and special lighting	<u>2,629,581</u>
Total electric sales	101,640,231
Other revenue	3,321,519
Total operating revenue	<u>104,961,750</u>
Operating Expenses	
Cost of power purchased from TVA	74,577,636
Distribution and transmission expense	3,172,237
Customer accounts expense	3,370,596
Customer service, information, sales expense	411,601
Administrative and general expense	3,196,329
Right-of-way maintenance expense	3,482,437
Other maintenance expense	4,058,767
Depreciation expense	6,995,842
Taxes	1,670,669
Interest expense	<u>1,798,508</u>
Total operating and interest expense	102,734,622
Operating income	2,227,128
Other income	<u>481,657</u>
Net Income	<u>\$ 2,708,785</u>
Earnings Reinvested in System Assets	
Beginning of fiscal year	\$ 77,687,131
End of fiscal year	\$ 80,395,916
Current Year Cash Flow used for:	
Reduction of long term debt	\$ 4,424,833
Additions to electric plant	\$ 8,228,698

October 2016 www.tnsmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Sequachee Valley Electric Cooperative

Serving all or portions of
Bledsoe, Grundy, Marion,
Sequatchie, Coffee, Hamilton,
Rhea and Van Buren counties.

Service Centers:

512 S. Cedar Ave.; P.O. Box 31,
South Pittsburg, TN 37380
Telephone — 423-837-8605
Toll-free — 800-923-2203

97 Resource Road; P.O. Box 518,
Dunlap, TN 37327
Telephone — 423-949-2198

3396 Main St.; P.O. Box 441,
Pikeville, TN 37367
Telephone — 423-447-2131

14002 Highway 41; P.O. Box 100,
Tracy City, TN 37387
Telephone — 931-592-2511

14087 Highway 28,
Whitwell, TN 37397
Monday/Wednesday/Friday
Telephone — 423-658-7832

SV Propane
1-877-521-3055 (toll-free)
931-592-5126

After hours: 888-421-7832
www.svalleyec.com

Discover the
true value
of YOUR
cooperative —
Get “social” and
Connect with
SVEC



www.twitter.com/svalleyec
www.facebook.com/svalleyec
instagram@svalleyec
www.youtube.com/svalleyec

AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

October is a big month in the Tennessee Valley. Not only do we observe National Cooperative Month, but we are also celebrating Public Power Month. Sequachee Valley Electric Cooperative is a not-for-profit business owned by those who use its services, *and* the electricity SVEC distributes to our nearly 35,000 member-owners is generated by the Tennessee Valley Authority, a publicly owned generation and transmission company that's also not-for-profit. This combination results in some of the lowest electric rates in the nation.

I'd say that is something to celebrate.

This coupling of public power and electric cooperatives in the Tennessee Valley — “Valley Power” — is one of the Valley's most valuable and unique assets, serving more than 9.3 million people in seven states by providing them with low-cost, efficient and reliable electric power.

It is a unique concept.

Owned by the people we serve

The electric utilities in the Tennessee Valley are owned by the people they serve. That's you. And me. We focus on delivering safe, reliable, affordable electricity as part of our mission of service to our communities.

And we do it without thought to making a profit. After the bills are paid, the remaining funds are reinvested in our utility to make it better — to better serve you, our member-owners. There aren't any investors in faraway places whose only motivation is a return on their investments in the utility. And we're locally based with offices you can visit or

call directly to conduct business and employees who are part of the community.

Cooperatives and Valley Power put people first. We don't want you to spend more than you have to for energy. Our electric rates are set to cover the cost of running the business and to make investments that will keep our system operating efficiently and reliably into the future.

We are not in business to just sell a product. It's important that our members use electricity safely and efficiently. To that end, we and our partner, TVA, provide seasonal energy tips and energy-efficiency programs and incentives for home and business improvements. Wise energy use is a priority.

We also ensure your service is reliable. You want to be cool through record heat and warm in the bone-chilling cold. You deserve to have your service restored as quickly as possible following tornadoes, ice storms and other disasters. Our promise to our members is to do everything humanly possible to plan for and respond to Mother Nature in the most effective and efficient means possible.

TVA is our partner

TVA is our power supplier, regulator and vital partner. The Tennessee Valley Authority and local power companies effectively transformed the Valley more than 80 years ago, and because we are locally governed and members of our respective communities, we are dedicated to being the catalyst for transformation in a changing technological, social and political world. That is the legacy we want to leave for future generations so they, too, can benefit from our unique business model.

This combination of co-op and public power also contributes to making our area “Co-op Strong.” We are proud to celebrate our partnership this month!



Mike Partin
SVEC CEO

CO-OP
T
STRONG

SVEC Senior Expos return in October

As a part of our celebration of National Cooperative Month and a shining example of Sequachee Valley Electric Cooperative's commitment to community, SVEC is conducting the 18th annual series of Senior Expos for those 55 and older and their caregivers. As in the past, participants can take advantage of a number of health screenings and gain valuable information from the many local exhibitors and speakers. In turn, local businesses and organizations have the opportunity to promote their products and services — a “win-win” situation for everyone!



Health screenings are always a very valuable and popular feature of the SVEC Senior Expos. Parkridge West and Erlanger Bledsoe will be providing free cholesterol/ blood sugar screenings again this year.

2016 Senior Expo dates

Tuesday, Oct. 11

Sequatchie County Senior Citizens Center and Fair Building Gym

103 Heard St. (Old Middle School), Dunlap

Wednesday, Oct. 12

First Southern Baptist Church

323 S. Main St., Pikeville

Tuesday, Oct. 18

First Baptist Church

108 W. Third St., Jasper

Wednesday, Oct. 19

Gruetli-Laager Community Center

27804 State Route 108, Gruetli-Laager

Health screenings will include:

- Cholesterol/blood sugar levels
- Flu shots (no charge for those covered by Medicare — approximately \$25-\$28 for those not on Medicare)
- Scheduling mammogram appointments during the Mary Ellen Locher Breast Health Center mobile coach visit to your county
- Blood pressure screening
- Pulse and oxygen saturation
- More may be added

Educational programs

- “Maintain Your Brain”
- “Do I Have CHOICES in Long-Term Care?”
- “Confused About the Medicare Alphabet?”
- “Improve Your Balance — Prevent Falls”
- “Disaster Preparedness”

Programs and services may vary by county.

For more information, contact Cathy Black at cblack@svalleyec.com or 423-837-5044.

Tentative schedule

8-9:30 a.m.

Health screenings (must be registered by 9 a.m.*), visit informational booths, enjoy breakfast

9:30-11:30 a.m.

Informational sessions
Booths open until 11 a.m.

11:30 a.m. — Lunch

From 8 until 11 a.m., local businesses and agencies will set up exhibits and be available to discuss important topics that affect seniors ages 55 and older and their caregivers.

*** The cholesterol screening will only be available until about 10 a.m. Please be there and registered by 9 a.m. to ensure you receive the screening.**

The Cookie Jar Cafe saves the family farm

The Johnson Family Farm in Dunlap has been owned and operated by members of Sue Ann Lockhart's family for nearly 175 years. So when her father, James Johnson, announced his plan to retire from farming in 2001, it was a cause of concern for his three daughters. They couldn't stand to think of the farm being sold out of the family, so they put their heads together to come up with a way to keep the farm in the family — with a different business plan.

What they came up with was an agritourism proposal that many family farms across the state have utilized to enhance their farm income, a plan that featured farm tours for school groups, hayrides, a corn maze and snack shop for refreshments.

"My grandmother Ruby Johnson, 'Memaw,' was famous for the meals and desserts she always had ready for the family, the farm hands and anyone

cooked meals and desserts that my grandmother used to cook."

At the time, Peggy Farley, the oldest sister, worked in a bank; middle daughter Bonnie Hudson was a teacher like their mother, Debra; and Sue Ann, the youngest, was a student majoring in prelaw at Middle Tennessee State University.

"It took us about a year to get it all going," Lockhart said. "Peggy left the bank, Mom and Bonnie quit teaching, and I left school. We put all our efforts into getting the new business up and running, and we opened the restaurant in 2002. It was so successful that Peggy was able to return to the bank in about a year. Bonnie returned to teaching a year or so later and Mom in 2008. And I have stayed on to run the restaurant.

"We still use Memaw's recipes. Everything we know about cooking we learned from her. And we still make everything that we can from scratch — even the pie crusts."

The menu offers "Meat and 2 or 3" as well as salads and entrees such as hand-cut steaks, grilled porkchops, chicken and catfish (grilled or fried), just to name a few. Some of the most popular specialties are the grilled meatloaf and fried chicken livers. However, it is the desserts that catch the eye as you

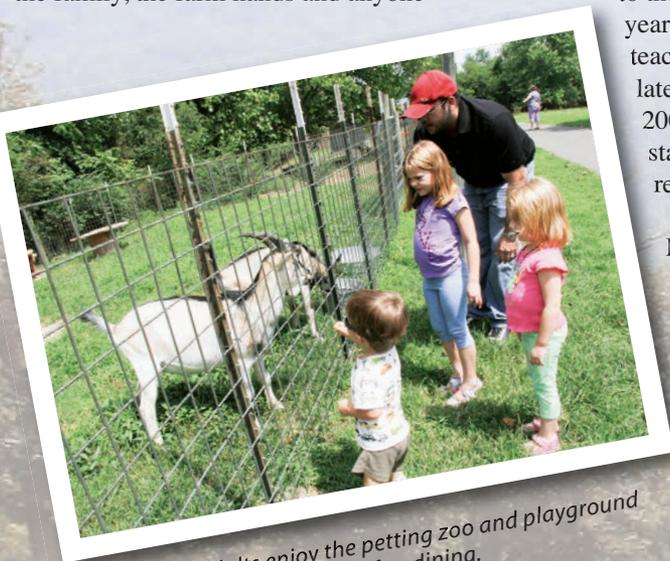


Customers from across southeast Tennessee, Georgia, Alabama and beyond, fill the Cookie Jar Cafe every day except Sunday for home-cooked meals and delicious desserts in a peaceful setting.

walk in. Display cases with mouthwatering cakes, pies and cupcakes showcase the homemade desserts made famous by their Memaw and now prepared by Peggy and her daughter. You can purchase a slice or buy a whole pie or cake. The pie business is especially busy during the Thanksgiving and Christmas holidays with the restaurant preparing pies to order.

The cookie jars lining shelves encircling the restaurant — the inspiration for the restaurant's name — also grab your attention. The collection began with the treasured cookie jars Bonnie brought with her when she moved back home. She didn't want to have to keep packing and unpacking them, so the family built display shelves for the jars — and the restaurant had its name. Patrons soon began bringing in favorite cookie jars, some belonging to loved ones who had passed on, to add to the collection, which now numbers between 500 and 600.

The restaurant on a hill in the middle of the dairy farm is situated off the beaten path. It is not a place you just drop in for a fast-food meal. It is



Children and adults enjoy the petting zoo and playground while waiting to be seated or after dining.

else who showed up at 11 for lunch — dinner as she called it," said Lockhart. "So people from the community kept telling us we needed to open a restaurant and offer the kind of home-



The Cookie Jar Cafe sits on a peaceful hill, away from the noise and traffic of the city. Located on the Johnson Family Dairy Farm at 1817 Kelly Cross Road, in Dunlap, there is plenty of room for parking — your car or your helicopter — if you decide to drop in. Dining at the family-owned restaurant is a destination event, not a forgettable fast food meal. Reservations are not required but are recommended.

a “destination” meal. People drive in, not only from Dunlap but from all across the Sequatchie Valley and greater Chattanooga area. It is a place locals take their out-of-town and out-of-state friends for an old-time, home-cooked meal and a stunning view. It is also a place to take the grandkids to see what life on the farm is like.

“About 75 percent of our customers are from out of town,” Lockhart said. “We do a little advertising in Chattanooga, but most of our traffic comes by word of mouth.”

Many guests will tell you that they took a wrong turn or got lost trying to find the restaurant but that it was well worth the trouble. “We tell people that getting here is just part of the ‘Cookie Jar experience,’” Lockhart quipped.

While the winding country roads and rolling hills of the Sequatchie Valley are just a short trip over the mountain from Chattanooga, the setting is a world away from the noise and traffic of the city.

Although Dunlap is rural and has traditionally been a farming community, many people living in the area today have no idea how a farm operates. To give the new generation a taste of life on the farm, the Johnson family offered dairy tours for school groups and ran a corn maze in the fall during the early years of the business. However, the restaurant business has grown to the point that they no longer have the time and resources to continue the tours. But they do have “Farmland,” a petting zoo and playground just up the hill from the restaurant, to give children and their parents the opportunity to see a variety of domesticated farm animals up close. Since the restaurant serves 200-250 visitors on a weekday and 300-500 each Saturday, there is often a wait to be seated, so spending time at the petting zoo and playground helps pass the time.

The seven-days-a-week job is hard work, Lockhart said, but the Johnson family is used to it. “The hours for a dairy farmer and a restaurant owner are a lot alike,” she said. “The work is different, but they both involve long hours and chores that have to be done every day. I guess maybe that is why we’ve been so successful in the restaurant business — we are used to hard work and long hours.”

All that hard work has paid off with a very successful business; however, after 14 years of opening seven days a week, as of Sept. 1, the restaurant is no longer open on Sunday, even though it was one of the busiest days. “The Lord has blessed us with a good business, and now it is time for



Cookie Jars and delicious desserts welcome you as you enter the Cookie Jar Cafe.

us to honor Him by reserving Sunday for worship and family time,” Lockhart said.

Through hard work, creativity and determination, the Johnson family has held on to the farm, which provides a good livelihood for them and the 35 local people the Johnsons employ. *And* it’s still a working dairy. The family leases the land and facilities to Allen Sharpe, a local farmer whose approximately 65 head of dairy cattle can be seen from the porch and outdoor seating area of the restaurant.

Does Sue Ann regret not pursuing a career in law? “No regrets at all!” she said. “I am able to be with my children and family, and we have a very good crew. We have a great time — it’s been fun.”

It is hard-working, creative people like the Johnsons and small businesses like the Cookie Jar Cafe that continue to make our area “Co-op Strong.”

SVEC — Co-op Strong defined

Highlights from the 2016 SVEC Annual Meeting

The 2016 Annual Meeting of the Membership of Sequachee Valley Electric Cooperative, themed “SVEC- Co-op Strong,” was held Thursday night, Aug. 11, at Sequatchie County High School.

The meeting of the SVEC membership drew some 250 registered members and their families — an estimated crowd of more than 350 — to the yearly event. Following are pictures featuring some of the highlights of the evening.



The registration process goes quickly by using computers to verify and record each member's attendance.



SVEC's Fred Eberhart and Jane Middle present happy member Ophelia Bryant with her attendance gift of an insulated stainless steel tumbler.



SVEC's Dunlap linemen grill hot dogs for the boxed supper served before the business meeting.



TECA's Alex Perkerson, left, encourages SVEC members to take the pledge to be a co-op voter, stressing the importance of making rural citizens heard by local, state and national decision-makers.



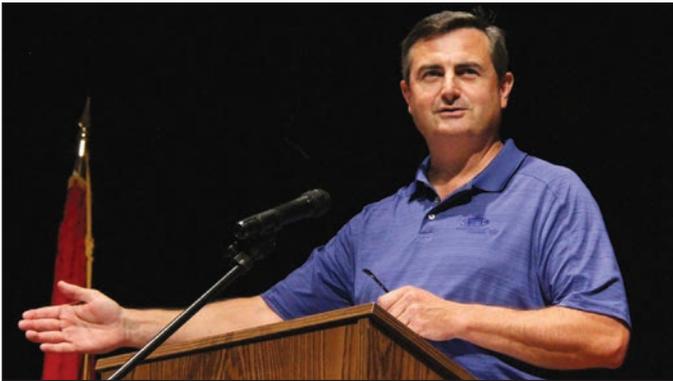
The “Photo with a Lineman” booth is popular with SVEC members of all ages. With the help of a green screen and a little computer “magic,” participants could take home an instant photo “up in the air” with lineman Daniel Walker.



Singer-songwriter Jesse Black, center, provides the premeeting entertainment. He is joined on stage by local musicians Billy Gaston, SVEC director from Dunlap, on guitar and Preston Cates on bass.



Board Chairman, Mike Jordan, above, brings the meeting to order and calls on the Sequatchie Valley Honor Guard, below, to post the colors and lead the Pledge of Allegiance to the American Flag, opening the business meeting.



In his report to the membership SVEC President/CEO Mike Partin illustrates the factors that make our area "Co-op Strong."



Kaitlyn Springer, 2016 Washington Youth Tour delegate from Sequatchie County High School and third-place winner in the statewide Youth Tour Writing Contest, thanks the cooperative for sponsorship of the trip and expressed how the experience changed her life.



The grand finale of the evening is the awarding of the many nice door prizes donated by SVEC's business partners. Winners of some of the larger prizes include, from left, Sue Ison, who won the 43-inch LED TV; Wilma Rheal, 45-quart, wheeled Pelican cooler; and Faye Day, \$250 credit on her SVEC electric bill.

Co-op Strong trivia contest

One Sequachee Valley Electric Cooperative member who correctly answers our trivia question will be awarded a \$50 Cookie Jar Cafe gift card and a pumpkin-shaped jar filled with cookies. The answer will be found by reading the SVEC section.

Send the answer by postcard or email (no phone calls, please). Mail entries to SVEC - Co-op Strong Trivia; P.O. Box 31; South Pittsburg, TN 37380. Or email entries to memberservices@svalleyec.com. Entries must be post-marked or received via email by Monday, Oct. 31. One winner selected from a random drawing of the correct entries will be named in SVEC's section of the December issue of *The Tennessee Magazine*.

Thank you to all those who entered the July and August contests. The correct answer to the July question, "This September, what event will Burns Farms Host for the first time?" is **"the Burns Farms and Friends Sale."** Congratulations to Jerry Narramore of Dunlap whose correct answer was drawn as the winner of a MECO electric grill from SVEC and 20 pounds of Burns Farms ground beef donated by Burns Farms.

The correct answer to the August question, "At what temperature is Beersheba Porcelain fired?" is **"2,700-2,750 degrees."** Congratulations to Christy Griffith of Whitwell, winner of a beautiful Beersheba Porcelain bowl.



Correctly answer the trivia question below, and you could win this pumpkin cookie jar filled with cookies and a \$50 Cookie Jar Cafe gift card.

**October Co-op Strong
trivia question:**
*In what year did the
Cookie Jar Cafe open?*

**Simplify
Bill Payment
and Life**



svec

Your Touchstone Energy® Cooperative

With SVEC's Autopay

- Bill is automatically paid on due date
- Use your checking account, credit or debit card
- Earn a one-time \$5 credit on your next bill

Visit www.svalleyec.com for details.
\$5 bill credit good through Dec. 31.



Don't watch? **Don't pay!**

Introducing **Flex Pack**,
a skinny bundle with **50+** popular channels.



Want **More?**

Add **Channel Packs** for only **\$10** /mo. each
First Channel Pack **Included!**

National Action Channel Pack

Variety Channel Pack **\$6!**

Kids Channel Pack

News Channel Pack

Locals Channel Pack

FREE **HBO** **CINEMAX** **STARZ** **HD** for life

FOR 3 MONTHS. Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service + High-Speed Internet

Internet prices starting at: **\$14⁹⁵**

Restrictions apply. Subject to availability.

\$39⁹⁹ Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • **SE HABLA ESPAÑOL**



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends: 10/27/16. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$39.99 advertised price: Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. Available with 2-year price guarantee for additional cost: Programming package upgrades (\$54.99 for AT120+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. Premium Channels: Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. Other: All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. Visa® gift card must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.



Brought to you by Tennessee Valley Electric Cooperative

October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



Tennessee Valley Electric Cooperative

590 Florence Road
Savannah, TN 38372
731-925-4916
866-925-4916
www.tvec.com

District Office

123 N. High St.
Waynesboro, TN 38485
931-722-5441

Office Hours

Monday through Friday
8 a.m.-4:45 p.m.

Board of Directors

Paul Jaggars (District 2)

— President

Haskel Jerrolds (District 3)

— Secretary-Treasurer

William Howard III

(District 5)

Judy May (District 1)

Kevin Robertson

(District 6)

Kevin Staggs (District 4)

Wilbur Storey (District 2)

George G. Gray —

Attorney

General Manager

Gerald Taylor

Director of Finance and Accounting

Bob Laden

Director of Operations, Savannah

Don Doran

Director of Operations, Waynesboro

Eddie Berry

Director of Member Services

Steven Turnbow

Purchasing Agent

Tony Polk

Safety Coordinator

Brandon Casteel

AS I SEE IT

Manager's Viewpoint

Why we celebrate cooperatives

Every October, cooperatives from all sectors across the country celebrate National Cooperative

Month to recognize the cooperative difference and remind you, the members of the co-op, about Tennessee Valley Electric Cooperative's purpose.

I must admit that occasionally, I, too, have been somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

National Cooperative Month informs others about our unique business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members who are familiar with the principles, the month of October is a great opportunity to renew our connection to each other and the purpose of our co-op.

In the U.S., more than 29,000 co-ops serve in every single industry. Many co-ops from different sectors join together during the month of October to educate

members in the community about cooperatives.

There are more co-ops in our local community than most people realize: credit unions, Ace Hardware, True Value and farmers co-ops. Cooperatives such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more are even represented on the shelves at our local grocery stores.

According to the latest data, more than

130 million people in the U.S. alone belong to co-ops, and cooperatives employ more than 2 million Americans.

This speaks to the heart of why we must take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops right here in our local community and be an active member of Tennessee Valley Electric Cooperative.



Gerald Taylor
General Manager,
Tennessee Valley
Electric Cooperative

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

From the front lines to power lines

Electric co-ops care about veterans

By Anne Prince

Electric co-ops have long had a special affinity for veterans, perhaps because they are both so closely aligned in outlook, focusing on service, mission and country. Maybe it's because a disproportionate number of veterans come from rural communities and return to their hometowns following active duty. Or maybe it's due to the shared work ethic of teamwork, cooperation and a "get it done" attitude. Most likely, it is all of these.

Network of caring

At Tennessee Valley Electric Cooperative, we are among the more than 900 electric co-ops across the country to support and honor our nation's veterans of all generations. We are grateful to have veterans within our ranks, and we are proud to serve veterans and their families within our local community.

We are not alone in our efforts to honor and serve veterans. As part of our national network of electric cooperatives spanning 47 states and covering 75 percent of the nation's landmass, there are countless programs that our family of co-ops has initiated. At the national level, we support *Serve our Co-ops*; *Serve Our Country*, a nationwide initiative aimed at employing and honoring veterans, military service members and their spouses. This program came with a great vision of forming a national coalition with the shared goal of hiring veterans into co-op jobs across rural and suburban America and setting them up for success in their local communities.

As part of a co-op veteran outreach effort, America's electric cooperatives are working closely with federal partners, including the Department of Energy, Department of Labor, Department of Defense, Veterans Administration, labor unions and other trade associations on an industry-wide veteran-hiring project, The Utility Workforce Initiative. Together, these groups are establishing a national employee resource group, Veterans in Energy, which will launch later this year to provide transition,

retention and professional development support to military veterans working in the energy industry.

Many programs, one purpose

At the local level, electric co-ops across America have created their own programs tailored to the unique needs of their community. For example, in the Bluegrass State of Kentucky, Pennyrite Electric Cooperative printed more than 10,000 "thank you" cards that members signed and were later delivered to troops on active duty in nearby Ft. Campbell.

Many electric co-ops sponsor "Honor Flights," enabling veterans from the Korean conflict and WWII to visit war memorials in Washington, D.C., at no charge. In the small town of

Fort Dodge, Kansas, Victory Electric Cooperative partnered with the local VFW to create the Vittles for Vets program aimed at stocking the food pantry at the Fort Dodge Soldiers Home. Many of the veterans living there and in surrounding communities are on limited incomes, and the food pantry helps the veterans meet basic needs.

Other co-ops forge strong partnerships with the military bases in their service territories. In Wyoming and North Dakota, co-op leaders and staff serve on military-civilian boards and committees that support activities initiated by their respective bases.

While the activities may differ, a commitment to supporting and caring for veterans is apparent at every electric co-op across this great nation. We at Tennessee Valley Electric Cooperative are proud to be a part of the cooperative network that honors and supports veterans of all ages, ranks and branches of the military.

Anne Prince writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



Balentine takes pride in woodworking art

In the southern part of Wayne County, just a stone's throw from the Alabama state line, sits a small building. From the outside, it looks no different than others you would find throughout the county and surrounding areas: metal with a small porch and gravel drive. It's what takes place inside that makes this building special.

Sonny Balentine carries on the age-old tradition of woodworking and, much like the people who practiced the craft before him, he does it to furnish his own home and those of others who admire his skills. But let's be clear: He doesn't do this to make a living. A very successful home-builder, Balentine does this out of love: for his family to provide heirlooms they will be able to use and remember him by, for the smile on people's faces when they see the pieces he creates, for the wood with which he works and for the craft of woodworking.

Dedicating countless hours on each project — many spent using hand tools like those used by craftsmen who have plied this trade for centuries before him — Balentine counts it all as a labor of love.



Expert woodworker Sonny Balentine stands with a handsome highchair he painstakingly worked to perfectly craft. Among other one-of-a-kind pieces he's created are tables, countertops, paneling, flooring and doors (items pictured on these two pages).

"I'm not trying to make a living," he reiterates. "I'm just doing something I love to do and sharing it with others. Whether it's as large as a table or as small as a



jewelry box, attention to the smallest details is critical to the finished project.”

After working all day at his job, Sonny spends many hours most evenings perfecting this trade so he’ll produce his best work when someone asks him to craft something. Dovetail, half dovetail, beading — terms foreign to many people — have become, through experience, common knowledge, and he’s developed the skills to performing the associated tasks.

Although he does have some modern tools, much of his work still requires hand tools, a collection of which he’s amassed through time and learned to use and maintain for optimal use.

“The way you hold a chisel, the way you sharpen it, the type — it all matters to the final outcome,” says Balentine.

“You have to love it to do it, and I love it,” he says with a smile. “I will do it and help others learn to do it as long as I can.”

Learning a craft is hard, he says, but that’s the only way to create unique, one-of-a-kind pieces of which the craftsman and others are proud.

“You won’t find another piece anywhere like the one I make,” Balentine says. “They’re not production pieces. Each is its own, and each is unique in its own way.”

Now crafting pieces for clients, Balentine says he began woodworking for a simple reason:



“I wanted to make my girls something they could remember their dad by, something they could be proud of and say, ‘My dad made that,’” he says solemnly. “That’s why I started doing this.”

With countless creations for his own home and for people who have commissioned his work, Balentine has left his mark on many people with his craftsmanship. Simply put, he has fashioned numerous unique

pieces that people can proudly display in their homes and businesses.

“It’s a tedious process — forming the pieces from blanks, putting them together to see how they fit, taking them apart to continue forming, sanding, staining — all the work that most people never see,” Balentine says. “But when the piece is complete, it’s all worth it.”



Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.

Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more

importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air

but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, service arm of the nation's electric co-ops.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



Tennessee Valley Electric Cooperative celebrates National Co-op Month

Being part of a cooperative means being part of something special. Tennessee Valley Electric Cooperative is celebrating National Cooperative Month in October alongside 40,000 other cooperative businesses serving more than 120 million people nationwide.

“Cooperatives Build” is the theme of this year’s National Cooperative Month. “This year’s theme is excellent because there are so many ways that cooperatives help build a stronger rural America,” says TVEC General Manager Gerald Taylor.

Cooperatives build trust

Most co-ops strive to adhere to seven key cooperative principles, which combine to help build trust among the co-op, its members and the community. For example, the first principle is Voluntary and Open Membership, which means that we are a voluntary organization open to all people to use our services and willing to accept the responsibility of membership. The second principle, Democratic Member Control, gives members a voice in the cooperative’s policies and decisions. Through the fifth principle, Education, Training and

Information, we enable members to contribute to the development of our cooperative.

Cooperatives build community

The seventh cooperative principle is Concern for Community. Cooperatives work for the sustainable development of their communities through employee involvement in local organizations, through charitable contributions to community efforts and through support for schools.

Cooperatives build jobs

Cooperatives generate jobs in their communities, keep profits local and pay local taxes to help support community services. Cooperatives often take part in community improvement programs, ensuring that everyone has an opportunity to benefit from the cooperative experience.

Cooperatives build a better world

Through all these ways, cooperatives build a better world. For more information on National Co-op Month and the cooperatives in our community and around the world, visit www.coopmonth.coop.



**UTILITY POLES
ARE NOT
BULLETIN BOARDS**

Think before you post that sign!
Staples, nails and tacks used to hang signs and fliers create dangerous obstacles for electric lineworkers.
Their jobs are dangerous enough – help us keep them safe!



Early Voting for Hardin County

Wednesday, October 19, 2016

to

Thursday, November 3, 2016

Monday, Tuesday, Wednesday, & Friday 9:00am-3:30pm

Thursday 9:00am-5:30pm

Saturday 9:00am-12Noon



Early Voting for Wayne County

Wednesday, October 19, 2016

to

Thursday, November 3, 2016

Monday – Friday 8:00am - 4:00pm

Saturday 8:00am - 12Noon



October 2016 www.tnmagazine.org

THE TENNESSEE MAGAZINE

Readers Choose
the Best of
Tennessee

A Noble
Career

Cumberland
University
Survives
Heisman's
Revenge

History
for Kids:
Danville
Freight
Elevator

Rich Flavors
of Winter
Squash



HAUL MORE, TOW MORE, GO MORE, SAVE MORE.



MAKE THE SMART CHOICE AND GET UP TO
\$1,300 CASH BACK AND SAVINGS.*



Shown: Cam S-Model



CHATTANOOGA TRACTOR & EQUIPMENT, INC.

Chattanooga ▪ 423-892-5725
chattanoogatractor.com

D & C HAY EQUIPMENT, LLC

Stantonville ▪ 731-632-3608
dchay.com

EAST TENNESSEE MAHINDRA, LLC

Madisonville ▪ 423-519-9929
etnmahindra.com

HIGHLAND RIM TRACTOR

Goodlettsville ▪ 615-859-5037
highlandrimtractor.com

INTERSTATE TRACTOR

White Pine ▪ 865-674-0082
interstatetractor.com

MAHINDRA OF KENTENN

Union City ▪ 731-599-9555
mahindraofkentenn.com

MAHINDRA OF SPRING HILL

Columbia ▪ 931-486-0928
mahindraofspringhill.com

MOHON TRACTOR SALES & SERVICE

Hopkinsville, KY ▪ 270-498-3459

TONY BATES EQUIPMENT

Lebanon ▪ 615-547-6551
TonyBatesEquipment.com

TONY BATES EQUIPMENT

Murfreesboro ▪ 615-895-0018
TonyBatesEquipment.com

VISIT MAHINDRAUSA.COM



Mahindra
Utility Vehicles

* With approved credit. Program restrictions may apply. See dealer for details.
† All offers expire October 31st, 2016



CONTENTS

FEATURES

8 Milk-Made

Dustin and Justyne Noble draw on their childhood interests in making quality goat milk products at their Noble Springs Dairy. *by Chris Kirk*

12 Best of Tennessee

Our readers' choice awards bestow much-deserved accolades on what's tops across Tennessee.

18 Record-Setting Rescue from Obscurity

In October 1916, a ragtag football team from Cumberland University fell to mighty Georgia Tech 222-0 in a game that's more than a mere trivia curiosity. *by Chris Kirk*

PERSPECTIVES

4 Tennessee Today

Rather than resting on our laurels, electric co-ops build on past successes in planning for the future. *by David Callis*

6 Co-op Concerns

Ensure your voices are heard on Election Day. Reverse the decline in rural voter turnout. *by Mike Knotts*

42 Point of View

Peer through the viewfinder with an award-winning photographer. *by Robin Conover*

ABOUT THE COVER

Dustin and Justyne Noble, with daughter Brynlee, welcome visitors for scheduled farm tours of Noble Springs Dairy. See page 8. Photograph by Chris Kirk

DEPARTMENTS

20 Co-op News

News and information from your electric cooperative or electric membership corporation.

27 Home Energy Q&A

Now is the time before winter to ensure your home is sealed and adequately insulated. *by Patrick Keegan*

28 Tennessee Almanac

This event listing tells what's happening across the state.

30 Tennessee History for Kids

A curious structure, flooded by TVA, still stands in the middle of Kentucky Lake as a beacon of bygone days. *by Bill Carey*

32 A Taste of Tennessee

Learn how to best use the seasonally plentiful pumpkins and winter squash.

35 50 Years Ago ...

Look inside *The Tennessee Magazine* from October 1966.

36 Community Corner

Check out Artist's Palette, see our Find the Flag winners and learn about our monthly poetry contest.

38 Poet's Playground

Tennessee's poets share their voices.

40 Your Antiques and Treasures

Readers' antiques and flea-market finds are appraised. *by Connie Sue Davenport*

THIS PAGE

Clingman's Dome affords a spectacular view of the setting sun on the Great Smoky Mountains. Experience for yourself the nearby wonders of Gatlinburg, which our readers again selected as their favorite East Tennessee Weekend Getaway. See page 12 for more winners. Photograph by Robin Conover

The Tennessee Magazine

Communication for
Electric Cooperative Consumers

Volume 59, No. 10

ISSN 0492-746x

Official publication of the
Tennessee Electric
Cooperative Association.
Executive, editorial and
advertising offices:
2964 Sidco Drive, P.O. Box 100912
Nashville, TN 37204
Phone: 615-367-9284
Email: thetenmag@tnelectric.org

General Manager

David Callis

dcallis@melectric.org

Editor

Robin Conover

rconover@melectric.org

Associate Editor

Chris Kirk

ckirk@melectric.org

Vice President of Corporate Strategy

Trent Scott

tscott@melectric.org

Advertising Manager

Susan Pilgreen

spilgreen@melectric.org

Advertising Sales Manager

Lauren Foster

lfoster@melectric.org

Contributing Writer

Trish Milburn

Designer

Ron Bell

rbell@melectric.org

The Tennessee Magazine, Vol. 59, No. 10 (ISSN 0492-746x) is published and distributed monthly to communicate electrical use and safety, economic development and educational and community interests of more than 1 million Tennessee families and businesses who own, operate and control the tax-paying, business-managed, locally owned electrical distribution and service systems of the Tennessee Electric Cooperative Association, 2964 Sidco Drive, Nashville, TN 37204-3715 (executive and editorial offices). Copyright 2016. Periodicals postage paid at Nashville, Tennessee, and at additional mailing offices.

POSTMASTER:

Please send address corrections to
The Tennessee Magazine,
P.O. Box 100912, Nashville, TN 37224.



Subscriber Services: To order a subscription or change your address, write to *The Tennessee Magazine*, P.O. Box 100912, Nashville, TN 37224. Cost of subscription for members of participating electric cooperatives is \$2.94 per year (24.5 cents per month), plus periodicals postage paid from equity accruing to the member. For nonmembers, a subscription is \$15 per year or \$30 for three years. Single copy, \$2.50.

Advertising carried in this magazine does not necessarily reflect the beliefs, opinions or attitudes of *The Tennessee Magazine* or your local rural electric system and does not imply product or service endorsement. *The Tennessee Magazine* reserves the right to refuse advertising. All rights reserved. Reproduction in whole or in part without written permission is prohibited.

National advertising representative: National Country Market; 611 S. Congress Ave., Suite 504, Austin, TX 78704. Phone: 800-626-1181. Website: www.nationalcountrymarket.com.

TENNESSEE TODAY *Manager's Viewpoint*

The windshield or the rearview?

When you're driving down the road, do you spend more time looking out your windshield or your rearview mirror? Well, if you're doing it right, the windshield receives far more attention than the mirror. It's good to glance at where you've been but far more important to see what lies ahead.

Each year, your cooperative "takes a look in the mirror" at an annual business meeting for the board and management to report to you, the member-owners, on the financial and operational results of the cooperative. At that same meeting, the cooperative may also discuss plans for the future.

That's important for any company, but it is extremely important for a utility that provides an essential service. Decisions made by rural electric cooperative leaders have lasting impacts on the communities their co-ops serve. Our responsibility to the members, our neighbors, is one of which we are acutely aware and take to heart.

One group of rural electric cooperative leaders was reminded of this responsibility at a meeting at the White House:

"America and Americans, if they are going to continue to provide the leadership for the free world, must constantly look to the future.

"So in our society today, we serve no really useful purpose by keeping alive differences and divisions of yesteryear. We don't need to cling to the issues of the past. We do need to take hold of the issues of the future.

"Now what does this mean to the rural electrification program of which you are a part and which has filled a very vital role in the strengthening of this nation and in the development of this nation?

"Well, you just cannot rest on the past. You must not just content yourselves with remembering old battles or castigating old enemies or parroting old slogans. None of us can do that and survive, whether we are business people or laborers or farmers or politicians — but, least of all, men and women who are part of something that is as dynamic as the rural electric cooperatives."

President Lyndon Baines Johnson delivered these remarks on July 14, 1965, to the leadership of the National Rural Electric Cooperative Association. He continued his remarks by reminding them to look toward the future:

"So what do you need to do? You need to look far into the future — beyond 1965 or 1966 or 1970. And you really can't look far into the future, and you really cannot provide the leadership that you ought to provide, and you really cannot be a doer if you just ask yourself constantly, 'What will I get out of this?' and 'How does it serve me?' You have got to be selfless.

"You have got to have a desire and an ambition to help people who can't help themselves if you are to provide the leadership

that we need in the 20th century. You need to look to the America of 1980 — and what it is going to be like, not just let it slip up on us — and 1990. You must look to the year 2000, when the clock turns, and a new century begins. You must take the lead, therefore, in planning today for what is going to happen 35 years from now. You must take the lead in planning for a fuller utilization of rural America — providing the power and the services to meet your share of the future's demands."

Those words are as true today as they were in 1965. We need to remember where we've been and what we've accomplished. Electrifying a nation is an impressive accomplishment. No one recognized that or was more involved with it than President Johnson. Yet he saw the need for turning the focus to the future.

More than 50 years have passed since that meeting. Challenges remain for our rural communities. If we spend too much time resting on the laurels of past victories, we fail to see the needs of the future. By building on what we've accomplished, we are planning for that "fuller utilization of rural America — providing the power and the services to meet ... the future's demands."

Working together, your local cooperative will rise to meet that challenge. ■



David Callis
General Manager,
Tennessee Electric
Cooperative
Association

Eye Doctor Helps Tennessee Legally Blind To See

Tennessee

High Technology For Low Vision Patients Allows Many To Drive Again



For many patients with macular degeneration and other vision-related conditions, the loss of central visual detail also signals the end to one of the last bastions of independence: driving.

A Lebanon optometrist, Dr. John Pino, is using miniaturized telescopes that are mounted in glasses to help people who have lost vision from macular degeneration and other eye conditions.

“Some of my patients consider me the last stop for people who have vision loss,” said Dr. Pino, one of only a few doctors in the world who specialize in fitting bioptic telescopes to help those who have lost vision due to macular degeneration, diabetic retinopathy, and other debilitating eye diseases.

Imagine a pair of glasses that can improve your vision enough to change your life. If you’re a low vision patient, you’ve probably not only imagined them, but have been searching for them. Bioptic telescopes may be the breakthrough in optical technology that will give you the independence you’ve been looking for. Patients with vision in the 20/200 range can many times be improved to 20/50 or better.

Macular degeneration is the leading cause of blindness and vision loss in people over 50. Despite this, most adults

are not familiar with the condition. As many as 25% of those over the age of 50 have some degree of macular degeneration. The macula is only one small part of the retina; however, it is the most sensitive and gives us sharp central vision. When it degenerates, macular degeneration leaves a blind spot right in the center of vision, making it difficult or impossible to recognize faces, read a book, or pass the driver’s vision test.

Nine out of 10 people who have macular degeneration have the dry form. New research suggests vitamins can help. The British medical journal BMC Ophthalmology recently reported that



A scene as it might be viewed by a person with age-related macular degeneration.

56% of patients treated with a high-dose combination of vitamins experienced improved vision after six months. TOZAL Comprehensive Eye Health Formula is now available by prescription from eye doctors.

While age is the most significant risk factor for developing the disease, heredity, smoking, cardiovascular disease, and high blood pressure have also been identified as risk factors. Macular degeneration accounts for 90% of new legal blindness in the U.S. While there is currently no cure, promising research is being done on many fronts. “My job is to figure out everything and anything possible to keep a person

functioning, especially driving,” says Dr. Pino.

When Elaine, 57, of Kingsport, TN, came to see Dr. Pino she wanted to keep her Tennessee driver’s license and was prescribed bioptic telescopic glasses to read signs and see traffic lights farther away. Dr. Pino also prescribed microscope glasses for reading newspapers and menus in restaurants.

As Elaine puts it, “My regular glasses didn’t help too much – it was like looking through a fog. These new telescopic glasses not only allow me to read signs from a farther distance, but make driving much easier. I’ve also used them to watch television so I don’t have to sit so close. I don’t know why I waited to do this; I should have come sooner.”

“Bioptic telescopes can cost over \$2,000,” said Dr. Pino, “especially if we build them with an automatic sunglass.”

“The major benefit of the bioptic telescope is that the lens automatically focuses on whatever you’re looking at,” said Dr. Pino. “It’s like a self-focusing camera, but much more precise.”

To learn more about bioptic telescopes or to schedule a consultation with Dr. Pino, give us a call at 1-855-405-8800. You can also visit our website at:

www.lowvisiontn.com

For more information and a FREE telephone consultation, call us today:
1-855-405-8800

Offices located in Lebanon,
Knoxville and Columbia.

John M. Pino, O.D., Ph.D.





Noble Springs Dairy

Page 8

Franklin's Noble Springs Dairy has been making goat milk and artisanal goat cheese since 2009.



The Best of Tennessee

Page 12 and tnmagazine.org

You voted and shared your thoughts on the best Tennessee has to offer. See the winners.



The Danville Elevator

Page 30

The tallest structure in Houston County has been flooded since the early 1930s.

Our e-Newsletter

tnmagazine.org/enewsletter

Visit us online and subscribe to our monthly e-newsletter to receive the latest stories, contests, recipes and more.

CO-OP CONCERNS

Manager's Viewpoint

Tackling the decline in rural voting

With Election Day quickly approaching, electric cooperatives across America continue to build momentum behind an innovative program to boost the political clout of rural America. Called Co-ops Vote, the non-partisan campaign has one simple goal: increase voter turnout at the polls this November.

You've probably heard that every vote counts. That is so true. In my own community, one of our city commissioners faced re-election a few years ago. After a spirited campaign, the votes were tallied and results finalized. It was a tie. If just one more person who thought he or she was too busy had gone to the polls, that would have made the difference. Hollywood made a movie about just such a situation. Kevin Costner fans might remember 2008's "Swing Vote," but here in my backyard, this seemingly improbable situation was a reality.

In 2014, more than 77,000 people cast votes in an election to determine who would represent the most rural district of Tennessee's congressional delegation. At the end of the evening, election officials were stunned. Only 38 votes separated first and second place. That is only five ten-thousandths of a percent. And who can forget the razor-thin margin of the 2000 presidential election in Florida? "Butterfly ballot," "recount" and "hanging chad" all became permanent words of our lexicon.

Over the past few election cycles, turnout among rural voters has declined significantly — at a rate almost twice that across the nation as a whole. Electric co-ops are deeply rooted in their communities, and that decline raised an alarm. Concerned that the downward voting trend would continue and could diminish the voice of rural America in future elections, co-ops across America sprang to action and created the Co-ops Vote campaign.

Participation in Co-ops Vote is strong. More than 560 electric co-ops representing all the states in which co-ops operate are taking part in the effort. More than

half a million people have seen news about Co-ops Vote through social media, and many thousands have taken the pledge to get out and vote in this election. Anyone can take the pledge online by visiting www.vote.coop. The website provides a variety of voter resources and information on key issues such as the importance of rural economic development and the continuing need for safe, reliable and affordable electricity.

"America's electric cooperatives are leaders in the communities they serve throughout the country," National Rural Electric Cooperative Association CEO Jim Matheson said. "Co-ops Vote focuses elected leaders on the people who are most invested in the success of their own communities. With 42 million members in 47 states, electric co-ops are a powerful voice on national issues that have a local impact."

Support for the effort extends all across the country. When your local co-op and others across Tennessee began working on ways to encourage participation in Co-ops Vote, we looked for political leaders who shared our vision. When I told Tennessee's speaker of the house, Rep. Beth Harwell, about what we were doing, she immediately wanted to help. In a video message shared across social media, she asked, "Why does it matter to be involved with the political process? Because those people who choose to can have a tremendous impact." She is 100 percent correct.

You can show your support for rural communities by joining co-op members across the country in casting your ballot on Tuesday, Nov. 8. ■



Mike Knotts
Vice President of
Government Affairs

All-New **lively**[®]
alert

Cut the cost of your medical alert service in half.

Why pay more every month on service fees when you can feel protected everywhere you go with the most affordable medical alert service on the market? The all-new Lively Alert has no installation costs and no additional equipment to buy. And there are no cancellation fees or contracts to sign. Just the highest level of service at the lowest price.

Save up to 50% in monthly service fees on the Lively Alert when compared to other medical alert services. With 5Star[®] service plans as low as \$19⁹⁹ per month, that's a savings of over \$200 per year, making the Lively Alert the most affordable on the market.

With no landline required, you're not restricted to your home. The Lively Alert works anywhere you choose to go. In any emergency, just press the button to speak immediately with a 5Star Medical Alert Agent, 24/7. The Agent will confirm your location, evaluate your situation and get you the help you need.

Plans as low as

\$19⁹⁹
month

No contracts
No cancellation fees
No equipment to install

Fastest Agent
response time*

Available with
Fall Detection

Patented GPS confirms
your location

Nationwide
coverage

New,
smaller size

Waterproof design
works in the shower

To learn more, call **1-877-815-6399** today
or visit us at **www.LivelyDirect.com**

Please mention promotional code 104567.

You're out for a walk
and suddenly feel dizzy.

You stumble
in the garden.

You slip
in the
shower.

You live
alone.

You mix up
your meds.

You're
driving
and get
lost.

John Walsh, Safety Advocate
and Vice Chairman of GreatCall

*first***STREET**[®]
for Boomers and Beyond[®]

1998 Ruffin Mill Road
Colonial Heights, VA 23834

IMPORTANT CONSUMER INFORMATION: Lively Alert is owned by GreatCall, Inc. Your invoices will come from GreatCall. *Good Housekeeping Research Institute - Aug. 2014. \$200 savings calculation was determined by averaging PERS market leaders' monthly fees (not all PERS have the same features). Requires a one-time setup fee of \$35 and valid credit or debit card for monthly service. The Lively Alert is rated IPX7, and can be submerged in up to 3ft of water for up to 30 mins. Fall Detection is an optional feature. Fall Detection may not always accurately detect a fall. GreatCall is not a healthcare provider. Seek the advice of your physician if you have questions about medical treatment. 5Star or 9-1-1 calls can only be made when cellular service is available. 5Star Service will be able to track an approximate location when your device is turned on, but we cannot guarantee an exact location. Monthly service fee does not include government taxes or assessment surcharges, and is subject to change. GreatCall and 5Star are registered trademarks of GreatCall, Inc. Copyright ©2016 GreatCall, Inc. ©2016 firstSTREET for Boomers and Beyond, Inc.

Milk-Made

Noble Springs Dairy produces handcrafted goat milk products and welcomes visitors to see how it's done

Story and photographs by Chris Kirk

For more than seven years, Dustin and Justyne Noble have been raising their herd of dairy goats in Franklin. Members of Middle Tennessee Electric Membership Corporation, they oversee a 233-acre farm and care for 150 to 170 goats that produce some 25,000 pounds of cheese a year — in addition to other products.

Though operations began in August 2009, the seeds for what was to become Noble Springs Dairy were sown years before. When Dustin and his older brother, Christian, were infants, a cow's milk allergy led their pediatrician to suggest goat's milk as an alternative.

"My parents couldn't find a source for the milk, so they ended up buying some goats themselves," Dustin says. "They kept the goats for six to eight months so they could freeze the milk for us to drink. I remember my parents saying for years how nice it was to have animals that would produce food for our family. I had a friend whose family had a dairy farm and another whose dad worked for Purity (Dairies). It was always interesting to me."

When he was about 9 years old, Dustin asked his parents to get some goats so he could experience that joy himself. He began showing the registered Saanen and Toggenburg dairy goats they purchased, traveling to fairs and shows all around the country. In fact, that's how he met his wife, Justyne.

Like Dustin, Justyne's experience with goats goes back to childhood. Growing up in a rural area near Kansas City, Kansas, she raised goats as her 4-H project.

In 2003, the couple met at the American Dairy Goat Association National Show in Des Moines, Iowa. After Dustin

graduated from the University of Tennessee and Justyne from Middle Tennessee State University, they decided to find a way to set up a small dairy and creamery where they could process the milk their goats produced. Calvin and Marilyn Lehw, friends of Dustin's family, had put some of their property near Leiper's Fork in a Land Trust for Tennessee conservation easement and really wanted to see somebody use it as a farm as it had been in the past, Dustin says.

"So we struck a deal to use their property and in 2008 started construction on the buildings," he says. "We'd done research for years, and in the summer of 2009, we completed the dairy and creamery."

Today, Noble Springs Dairy produces a variety of products that are available in stores around Middle and East Tennessee, including Whole Foods and Kroger Marketplace locations. The cheeses also appear on menus at some of the area's most popular local-sourcing restaurants, including

popular Nashville spots Pinewood Social, Burger Up and Fido. The Nobles themselves are regulars at farmers markets where they're able to meet with consumers eager to learn where their food comes from.

"Our mainstay product is chevre, a soft goat cheese similar to cream cheese but lower in fat and cholesterol," says Dustin. "We also make feta, which is similar to traditional Greek feta that's made with sheep and goat's milk. Most of what's in stores is made from cow's milk, so ours is more similar to what you'd find in Europe."

The Nobles also offer aged cheeses and variations of the chevre — from plain, which is





One of the 150-plus goats at Noble Springs Dairy awaits feed from Justyne Noble. Opposite page, Dustin Noble moves hay for the goats in the barn. The Nobles make sure to take a hands-on approach when it comes to ensuring their animals' health and making their top-quality goat milk products.



Justyne and Dustin Noble go through some of the steps in making cheese. Above left, they ladle curd into sacks to drain excess whey liquid. After the cheese has been aged and shaped into logs, it's rolled in spices. Above center, Justyne rolls chevre in their Nashville Hot Chicken spices. At right, Dustin applies labels after the cheese is shrink-wrapped.

lightly salted, to spiced versions like garlic and herb, one of their most popular. There's also pimiento and a mixture named Busy Bee, which includes cranberries and honey.

"A new product a lot of people like is what we call Nashville Hot Chevre," Dustin says. "It's our cheese rolled in a hot chicken spice blend we made up. It's a little spicy, a little sweet, but it's tasty."

Rounding out the product lineup are goat milk and drinkable yogurt, which is like milk with active cultures. And a new venture for the enterprising couple is goat milk soaps with scents like lemongrass, spearmint and lavender.

"Tours of our operation have been popular for the last few years," says Dustin, "On our website, we have a page where you can sign up for farm tours. We usually have two

or three regularly scheduled tours each month, and we also offer private tours for groups of 15 or more."

For \$12 a person (\$10 if paid in advance), guests take a trip around the farm, seeing all the animals: horses, chickens and, of course, goats. Visitors learn the purposes of the different animals and get to pet the horses and goats. Then they see where the goats are milked, learn about the cheese-making process and see where the Nobles make their cheeses. Tours end with cheese-tastings and opportunities to buy

products. Visit noble-springs.com to see the dates and reserve your spots.

Those wishing to stay up-to-date with the farm can follow the dairy's Facebook and Instagram accounts, regularly updated by Justyne, who's putting her mass communications degree and marketing minor to work with social media.

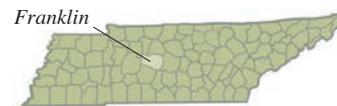
"It's been a great way for us to market our products and for people to learn about what we do," Dustin says. "They can scroll through our timeline and see what we've posted, learn about new products or when baby goats are being born and see what's going on at the farm."

As their operation has grown, the Nobles have been able to hire some help for the day-to-day tasks. But they've made sure they are the ones responsible for ensuring their animals' well-being and making their products.

"Justyne and I do all of the management of the animals ourselves — whether it's hoof-trimming or kid birthing and rearing," Dustin says. "We have some help with milking and packaging and things like that, but we always wanted to make sure we had a hand in all the sensitive parts like animal health and making quality food products. We always want to make sure we're taking really good care to put out a good product and keep the animals healthy. We feel that makes a difference in the quality of our products." ■



For more information on Noble Springs Dairy, including a list of stores and restaurants carrying the farm's products, visit noble-springs.com, where you can also reserve spots on farm tours and place orders to be shipped. And follow Noble Springs Dairy on Facebook and Instagram to see what's happening on the farm, learn about new products and receive other updates.



HARBOR FREIGHT

QUALITY TOOLS AT RIDICULOUSLY LOW PRICES



700+ Stores Nationwide

SUPER COUPON

Customer Rating ★★★★★

2500 LB. ELECTRIC WINCH WITH WIRELESS REMOTE CONTROL

\$59.99 **SAVE \$100**

ITEM 61258 shown
61840/61297
68146

54977088

LIMIT 5 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

20% OFF

ANY SINGLE ITEM

Limit 1 coupon per customer per day. Save 20% on any 1 item purchased. Cannot be used with other discount, coupon or any of the following items or brands: Inside Track Club membership, Extended Service Plan, gift card, open box item, 3 day Parking Lot Sale item, automotive lifts, compressors, floor jacks, saw mills, storage cabinets, chests or carts, trailers, trenchers, welders, Admiral, Badland, CoverPro, Daytona, Diablo, Earthquake, Franklin, Grant's, Holt, Jupiter, Lynox, Maddox, Portland, Predator, Slik-Tek, StormCat, Union, Vanguard, Viking. Not valid on prior purchases. Non-transferable. Original coupon must be presented. Valid through 2/1/17.

54936723

How Does Harbor Freight Sell GREAT QUALITY Tools at the LOWEST Prices?

We have invested millions of dollars in our own state-of-the-art quality test labs and millions more in our factories, so our tools will go toe-to-toe with the top professional brands. And we can sell them for a fraction of the price because we cut out the middle man and pass the savings on to you. It's just that simple! Come visit one of our 700+ Stores Nationwide.

SUPER COUPON

FREE

WITH ANY PURCHASE

PITTSBURGH 6 PIECE SCREWDRIVER SET

ITEM 61313/62728
62583/47770
62570 shown

\$7.97 VALUE

LIMIT 1 - Cannot be used with other discount, coupon or prior purchase. Coupon good at our stores, HarborFreight.com or by calling 800-423-2567. Offer good while supplies last. Shipping & Handling charges may apply if not picked up in-store. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one FREE GIFT coupon per customer per day.

54917535

SUPER COUPON

7 FT. 4" x 9 FT. 6" ALL PURPOSE WEATHER RESISTANT TARP

ITEM 69249/69115/69137
69129/69121/877 shown

Customer Rating ★★★★★

SAVE 64% \$2.99

comp at \$8.48

54973339

LIMIT 7 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

2.5 HP, 21 GALLON 125 PSI VERTICAL AIR COMPRESSOR CENTRALPNEUMATIC

Customer Rating ★★★★★

SAVE \$337

ITEM 69091/67847 shown
61454/61693/62803

\$159.99 **SAVE 78%**

comp at \$497

54965289

LIMIT 3 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

WOW SUPER COUPON

NEW

29 PIECE TITANIUM NITRIDE COATED HIGH SPEED STEEL DRILL BIT SET

ITEM 5889/62281/61637 shown

Customer Rating ★★★★★

\$12.99 **SAVE 78%**

comp at \$59.97

54921130

LIMIT 5 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

WOW SUPER COUPON

RAPID PUMP® 1.5 TON ALUMINUM RACING JACK

ITEM 69252/60569 shown
68053/62160
62496/62516

Customer Rating ★★★★★

SAVE \$60

\$59.99 **SAVE 89%**

comp at \$119.99

54975167

LIMIT 4 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

12" SLIDING COMPOUND DOUBLE-BEVEL MITER SAW WITH LASER GUIDE CHICAGO ELECTRIC POWER TOOLS

ITEM 69684 shown
61969/61970

Customer Rating ★★★★★

SAVE \$259

\$139.99 **SAVE 60%**

comp at \$399

54943520

LIMIT 4 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

TWO TIER COLLAPSIBLE EASY-STORE STEP LADDER

ITEM 67514

Customer Rating ★★★★★

SAVE 40%

\$19.99 **SAVE 60%**

comp at \$33.66

54981837

LIMIT 4 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

20 TON SHOP PRESS CENTRAL MACHINERY

ITEM 32879/60603 shown

Customer Rating ★★★★★

SAVE \$210

\$159.99 **SAVE 71%**

comp at \$369.99

54913179

LIMIT 3 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

1500 WATT DUAL TEMPERATURE HEAT GUN (572°/1112°)

Customer Rating ★★★★★

SAVE 71%

\$8.99 **SAVE 60%**

comp at \$31.47

54955468

LIMIT 9 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

TORQUE WRENCHES PITTSBURGH PRO

DRIVE	ITEM
1/4"	2696/61277
3/8"	807/61276
1/2"	62431/239

Item 239 shown

Customer Rating ★★★★★

SAVE 60%

\$11.99 **SAVE 71%**

comp at \$29.99

54946589

LIMIT 7 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

WOW SUPER COUPON

900 PEAK/700 RUNNING WATTS 2 HP (63 CC) 2 CYCLE GAS RECREATIONAL GENERATOR

ITEM 69381
60338 shown

Customer Rating ★★★★★

SAVE \$73

\$89.99 **SAVE 74%**

comp at \$163.06

54960951

LIMIT 4 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

10 PIECE DRAGONFLY SOLAR LED STRING LIGHTS

ITEM 60758
62689 shown

Customer Rating ★★★★★

SAVE 74%

\$6.99 **SAVE 74%**

comp at \$26.99

54926221

LIMIT 8 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

SUPER COUPON

US GENERAL 26", 4 DRAWER TOOL CART

ITEM 95659 shown
61634/61952

Customer Rating ★★★★★

SAVE \$209

\$109.99 **SAVE 74%**

comp at \$319.01

54961978

LIMIT 4 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

WOW SUPER COUPON

3-IN-1 PORTABLE POWER PACK WITH JUMP STARTER CENTECH

ITEM 38391/62376
62306 shown

Customer Rating ★★★★★

SAVE 20%

\$47.99 **SAVE 20%**

comp at \$59.99

54902529

LIMIT 5 - Good at our stores or HarborFreight.com or by calling 800-423-2567. Cannot be used with other discount or coupon or prior purchases after 30 days from original purchase with original receipt. Offer good while supplies last. Non-transferable. Original coupon must be presented. Valid through 2/1/17. Limit one coupon per customer per day.

• 100% Satisfaction Guaranteed • 700+ Stores Nationwide • HarborFreight.com
 • Over 30 Million Satisfied Customers • Lifetime Warranty • 800-423-2567
 • No Hassle Return Policy • On All Hand Tools

At Harbor Freight Tools, the "comp at" price means that the same item or a similar functioning item was advertised for sale at or above the "comp at" price by another retailer in the U.S. within the past 180 days. Prices advertised by others may vary by location. No other meaning of "comp at" should be implied. For more information, go to HarborFreight.com or see store associate.



The results are in ...

The *Tennessee Magazine* staff thanks everyone who submitted entries to the 2016 Best of Tennessee Readers' Choice Awards. We received hundreds of online and mail-in ballots nominating the best food, attractions and accommodations our state has to offer.

Here we proudly present each "Best of." Thanks again to all our readers for helping us recognize these deserving winners. Visit our website, tnmagazine.org, to view expanded results, including the winners and runners-up in all categories.

EATS

Bakery West

Shirley's Bakery,
621-C Old Hickory Blvd.,
Jackson; 731-668-1495;
shirleysbakery.net

Middle

Julia's Homestyle Bakery,
1911 Medical Center
Parkway, Murfreesboro;
615-890-2253;
borobakery.com

East

Miss Bea's Perks and Pies,
109 S. Church St.,
Rogersville; 423-272-6555;
missbeaspies.com



Huck Finn's Catfish

Barbecue West

Central BBQ,
147 E. Butler Ave.,
Memphis; 901-672-7760;
cbqmemphis.com

Middle

Prater's Bar-B-Que,
9576 Manchester Highway,
Morrison; 931-635-2259

East

Ridgewood Barbecue,
900 Elizabethton Highway,
Bluff City; 423-212-4813

Catfish West

Catfish Cabin,
1290 S. Highland Ave.,
Jackson; 731-422-1001;
catfishcabinjackson.com

Craft Beer West

**Rock'n Dough Pizza
and Brew Co.,**
16 Jackson Walk Plaza,
Jackson; 731-300-0404;
rockndoughpizza.com

Middle

**Calfkiller Brewing
Company,**
1839 Blue Springs Road,
Sparta; 931-739-233;
calfkillerbeer.com

East

Smoky Mountain Brewery,
2530 Parkway, Pigeon Forge;
865-868-1400;
smoky-mtn-brewery.com



Prater's Bar-B-Que



Litton's



Arrington Vineyards

frosteefreeze56.com
Place for a Dessert West

Dumplin's,
 31C Wiley Parker Road,
 Jackson; 731-664-4959;
hrhdumplins.com

Middle
Miller's Grocery,
 7011 Main St., Christiana;
 615-893-1878;
millersgrocery.com

East
Miss Bea's Perks and Pies,
 109 S. Church St.,
 Rogersville; 423-272-6555;
missbeaspies.com

Winery West
Crown Winery,
 3638 E. Mitchell St.,
 Humboldt; 731-784-8100;
crownwinery.com



Bell's Drive In

East (tie)
Farmer's Daughter,
 7700 Erwin Highway,
 Chuckey;
 423-257-4650
*thefarmersdaughter
 restaurant.com*

Shirley's Home Cooking,
 3266 Highway 321,
 Hampton;
 423-768-2092
shirleyshomecooking.com

Hamburger West
Bell's Drive-In,
 204 S. Church Ave.,
 Henderson;
 731-989-2816

Middle
Jiffy Burger,
 1001 Hillsboro Blvd.,
 Manchester; 931-728-4452

East
Litton's,
 2803 Essary Road,
 Knoxville; 865-688-0429;
littonsdirecttoyou.com

Home/Country Cooking West
Brooks Shaw's Old Country Store, 56 Casey Jones Lane, Jackson;
 731-668-1223;
caseyjones.com

Middle
The Loveless Cafe,
 8400 Highway 100,
 Nashville;
 615-646-9700;
lovelesscafe.com

Milkshake West
Bell's Drive-In,
 204 S. Church Ave.,
 Henderson;
 731-989-2816

Middle
Reeves-Sain Drug Store,
 1801 Memorial Blvd.,
 Murfreesboro;
 615-896-5731;
reevessain.com

East
Froste Freeze,
 1617 N. Broad St., Tazewell;
 423-626-3521;



Miller's Grocery

Middle
Arrington Vineyards,
 6211 Patton Road,
 Arrington; 615-395-0102;
arringtonvineyards.com

East
Stonehaus Winery,
 244 Genesis Road No. 103,
 Crossville; 931-484-9463;
stonehauswinery.com



Brook Shaw's Old Country Store



The Hermitage

Middle
Willowbrook Golf Course,
 6751 McMinnville Highway, Manchester;
 931-728-8989;
golfwillowbrook.net

East
Woodlake Lodge, Golf and Country Club,
 330 Woodlake Blvd., Tazewell;
 877-423-4653;
woodlakegolf.com

Historic Site
West
Shiloh National Military Park, 1055 Pittsburg Landing Road, Shiloh;
 731-689-5696;
nps.gov/shil/index.htm



TRAVEL & FUN

Agritourism/Pick-Your-Own Farm

West
Green Acres Berry Farm,
 158 Medina Highway, Milan; 731-686-1403;
greenacresfarmmilantn.com

Middle
Batey Farms,
 5331 Baker Road, Murfreesboro;
 615-848-4178;
bateyfarm.com

East
Scott's Strawberry and Tomato Farms,
 650 Scott Road., Unicoi;
 423-743-7511;
scottfarmstn.com



Green Acres

Camping
West
Chickasaw State Park,
 20 Cabin Lane, Henderson;
 731-989-5141; state.tn.us/environment/parks/Chickasaw

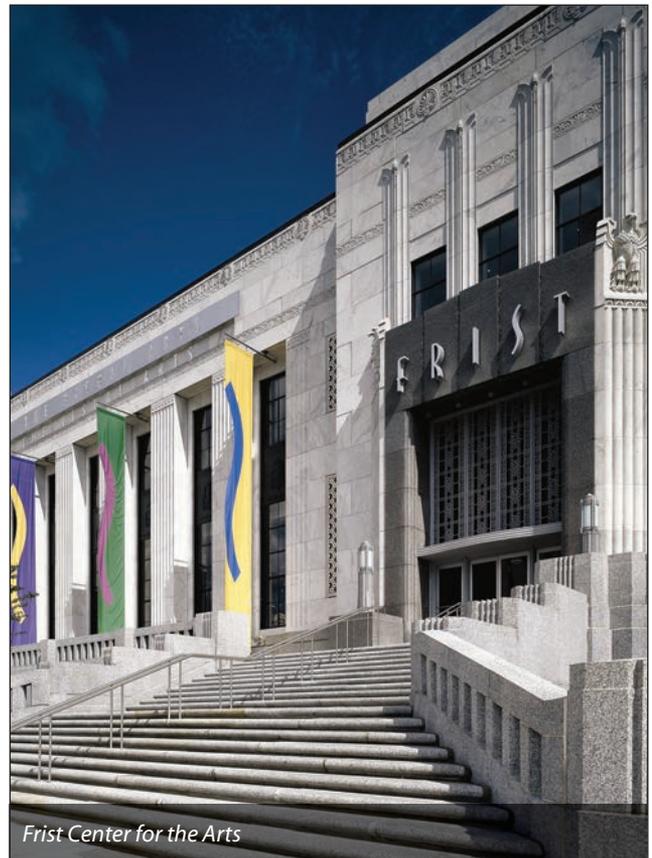
Middle
Fall Creek Falls,
 10821 Park Road, Spencer; 800-250-8611;
state.tn.us/environment/parks/FallCreekFalls

East
Cades Cove,
 10035 Campground Drive, Townsend; 877-444-6777;
nps.gov/grsm/planyourvisit/frontcountry-camping.htm

Fishing Spot
West
Reelfoot Lake State Park,
 2595 Hwy. 21 E, Tiptonville;
 731-253-9652;
tnstateparks.com/parks/about/reelfoot-lake

Middle
Percy Priest Lake,
 Nashville; 615-883-2351;
www.percypriestlake.org/percypriest-lake/

East
Cherokee Lake, Rogersville,
cherokeelakeinfo.com
Golf Course
West
Chickasaw Golf Course,
 9555 State Route 100, Henderson; 731-989-3111;
golfatchickasaw.com



Frist Center for the Arts



Cades Cove

Middle

Andrew Jackson's Hermitage,
4580 Rachel's Lane, Nashville;
615-889-2941;
thehermitage.com

Gatlinburg; 865-436-1200;
nps.gov/grsm/planyourvisit/cadescove.htm

Sporting Event West

Memphis Grizzlies basketball,
191 Beale Street, Memphis;
901-888-4667;
nba.com/grizzlies/

East

Cades Cove, Great Smoky Mountains National Park,
107 Park Headquarters Road,



Rogersville Heritage Days



Wilson County Fair

Middle

Tennessee Titans football,
1 Titans Way, Nashville;
615-565-4200; titansonline.com

East

University of Tennessee Volunteers football,
1600 Phillip Fulmer Way, Suite 201, Knoxville;
800-332-VOLS;
utsports.com

Middle

Fall Creek Falls State Park,
10821 Park Road, Spencer; 423-881-5298;
state.tn.us/environment/parks/FallCreekFalls

East

Panther Creek State Park,
2010 Panther Creek Park Road, Morristown;
423-587-7047;
tnstateparks.com/parks/contact/panther-creek



Remembering WWII Festival

State Park

West

Chickasaw State Park,
20 Cabin Lane, Henderson; 731-989-5141;
state.tn.us/environment/parks/Chickasaw

THE ARTS

Art Gallery West

Memphis Brooks Museum of Art, 1934 Poplar Ave., Memphis; 901-544-6200;
brooksmuseum.org



Great Smoky Mountains

Middle
Frist Center for the Visual Arts, 919 Broadway, Nashville; 615-244-3340; fristcenter.org

East
Hunter Museum of American Art, 10 Bluff View, Chattanooga; 423-267-0968; huntermuseum.org

Museum West
Pink Palace Museum, 3050 Central Ave., Memphis; 901-636-2362; memphismuseums.org

Middle
Tennessee State Museum, 505 Deadrick St., Nashville; 615-741-2692; tnmuseum.org

East
Museum of Appalachia, 2819 Andersonville Highway, Clinton; 865-494-7680; museumofappalachia.org

Performing Arts West
Orpheum Theater, 203 S. Main St., Memphis; 901-525-3000; orpheum-memphis.com

Middle
Tennessee Performing Arts Center, 505 Deaderick St., Nashville; 615-782-4040; tpac.org

East
Cumberland County Playhouse, 221 Tennessee Ave., Crossville; 931-484-5000; ccplayhouse.com

GETAWAYS

Place to Take the Kids West
Memphis Zoo, 2000 Prentiss Place, Memphis; 901-333-6500; memphiszoo.org

Middle
Nashville Zoo, 3777 Nolensville Pike, Nashville; 615-833-1534; nashvillezoo.org

East
Dollywood, 2700 Dollywood Parks Blvd., Pigeon Forge; 800-365-5996; dollywood.com

Scenic Drive West
Reelfoot Lake State Park, 2595 Hwy. 21 E, Tiptonville; 731-253-9652; tnstateparks.com/parks/about/reelfoot-lake

Middle
Natchez Trace Parkway, 2680 Natchez Trace Parkway, Tupelo, MS; 800-305-7417; nps.gov/natr/index.htm

East
Cades Cove, Great Smoky Mountains National Park, 107 Park Headquarters Road, Gatlinburg; 865-436-1200; nps.gov/grsm/planyourvisit/cadescove.htm

Weekend Getaway West

Memphis, Memphis Convention & Visitors Bureau, 47 Union Ave., Memphis; 901-543-5300; memphistravel.com

Middle
Nashville, Nashville Convention & Visitors Bureau, 150 Fourth Ave. N., Suite G-250, Nashville; 800-657-6910; visitmusiccity.com

East
Gatlinburg, Gatlinburg Convention and Visitors Bureau, 811 E. Parkway, Gatlinburg; 800-588-1817; gatlinburg.com

SHOPPING

Antiques Store West
Yarbro's Antique Mall, 350 Carriage House Drive, Jackson; 731-664-6600



Natchez Trace

Record-Setting Rescue from Obscurity

Historic blowout in 1916 immortalized Cumberland University in trivia, spared the school from ruin and drew attention to Southern football

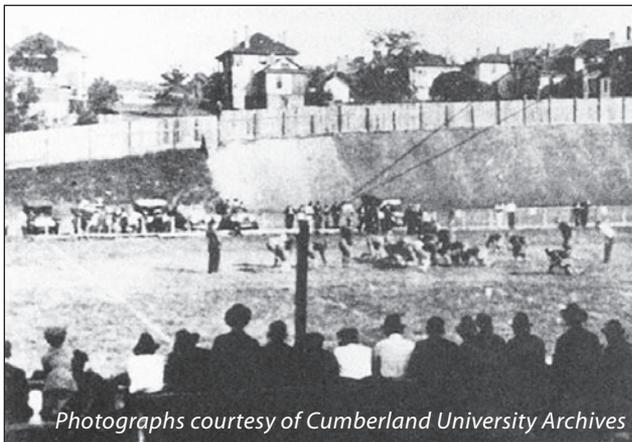
Story by Chris Kirk

Next year, Cumberland University in Lebanon celebrates its 175th anniversary. The school boasts a rich tradition of academic excellence, famous alumni ... and a 222-0 blowout loss at the hands of Georgia Tech 100 years ago this month. The most lopsided defeat in college football history, it is to many nothing more than a sports trivia oddity. But the game means everything to Cumberland University — and should to college football fans in the South.

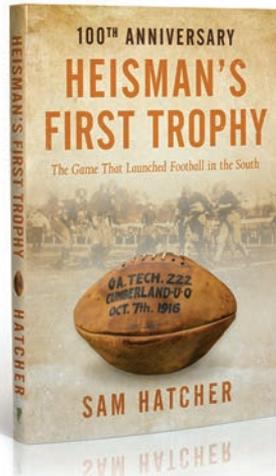
Sam Hatcher, a journalist, graduate of Cumberland University and longtime member of the school's board of trust, wrote "Heisman's First Trophy: The Game that Launched Football in the South" this year, commemorating the centennial of the record-setting game. The book describes the knack for showmanship by student manager George Allen — who would later become a close friend to President Dwight Eisenhower as well as three other presidents and also serve as secretary/treasurer of the National Democratic Party — and how that flair drew the ire of legendary Georgia Tech football and baseball coach John Heisman in 1916.



"Heisman actually had a nationally ranked baseball team that played Cumberland the spring before," says Hatcher. "George



Photographs courtesy of Cumberland University Archives



Cover created by Bill Kersey. Game ball photo provided by Georgia Tech photographer Danny Karnik.

Allen went to Nashville and got semipro players who ended up beating Heisman's team 22-0. It was really embarrassing to Heisman, who figured it out during the game and pretty much swore that he would get revenge. A lot of this is documented in a history book written by Frank Burns, who was a historian for Cumberland."

With the university in financial trouble, its board decided to dissolve the football program before the 1916 season. But Heisman threatened to sue Cumberland for breach of contract if the school backed out of the game with Georgia Tech.

"What's interesting about that is that it would have amounted to about \$70,000 in damages for breach of contract," says Hatcher. "That could have been a payroll they couldn't have made or could have

bankrupted the school. Closure of the school wouldn't have been out of the question."

Hatcher says that Allen, as manager — a student whose job was similar to a modern-day athletic director who schedules games and makes travel arrangements — assembled a team of Kappa Sigma fraternity brothers to travel to Atlanta for their Oct. 7, 1916, drubbing. But in the lopsided result, a university was spared financial ruin, and teams in the South — which, at that time, definitely wasn't a traditional hotbed for football — received much-deserved attention.

"Because the game was created in the Northeast, most of the sportswriters really didn't give football in the South much credit," Hatcher says. "They graded all the teams basically on how many points they could score and how badly they could beat their opponents. So when Georgia Tech scored those 222 points against Cumberland, the sportswriters started looking at Southern football, and then Tech won the national championship the next year. If Tech hadn't beaten Cumberland as badly as they did, they probably wouldn't have won that national championship.

"In a way, all the teams in the South should be thankful the game was played. It opened the doors to football in the South."

"Heisman's First Trophy: The Game That Launched Football in the South" by Sam Hatcher is available at Amazon.com, Barnes and Noble, Books-A-Million and other places where books are sold.



End poverty.
Start getting
kids through
high school.

Donate money or time at
BigBrothersBigSisters.org

 Start Something™



Better than paint.



Rhino Shield®



Protection for your home with **THE PERMANENT** Paint Replacement System

✓ **PROTECTS**
✓ **INSULATES**
✓ **BEAUTIFIES**

Use the affordable alternative to exterior painting with proven results!

Rhino Shield Ceramic Protective Coating gives you...

- Hassle-free, no maintenance, won't peel, chip, or crack!
- 25 year transferrable warranty
- Looks thicker and richer than paint
- Waterproof and breathable
- BASF Tested and proven to last
- 3M Ceramics - Low "E" rating
- Bonds to wood, brick, stucco & more PLUS...vinyl & aluminum siding!



Rhino Shield

For a Free In-Home Inspection Call
877-678-2054
www.RhinoShieldGA.com

— SAVE UP TO —
25% OFF

You must present this card at time of purchase
HURRY
Offer expires Nov. 30
Not valid with any other offer or previous contract.

REACH MORE THAN

ONE MILLION PEOPLE

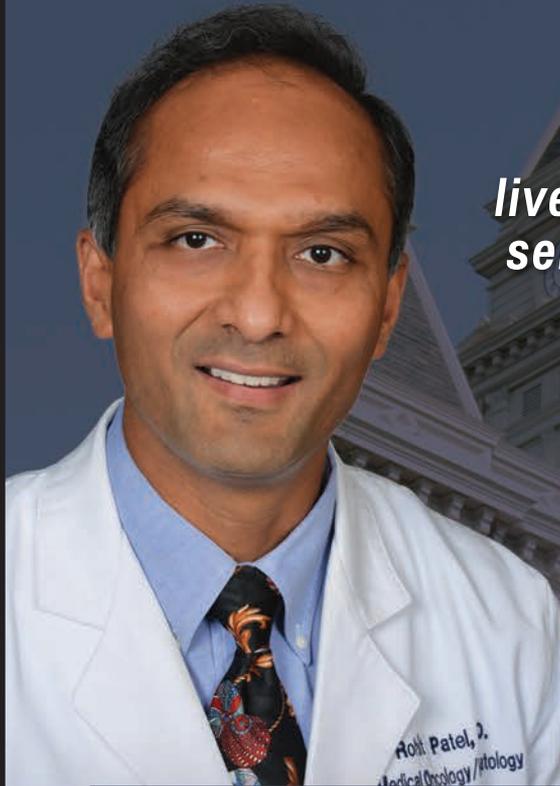
EACH MONTH

ADVERTISE IN

THE TENNESSEE

MAGAZINE

OVER 80 PHYSICIANS IN 30 LOCATIONS



“I am fortunate to live in Clarksville and serve patients in this proud and historic community.”

DR. ROHIT R. PATEL
Medical Oncologist
TENNESSEE ONCOLOGY
Clarksville

Nestled in the beautiful city by the river, we are proud to have served patients in Clarksville for more than 18 years.

We deliver access to high-quality cancer care—cutting-edge diagnostic tools, standard therapies, multiple clinical trials and supportive care services.

Our team collaborates with the network to ensure patients have access to the care they need for their individual diagnosis.

Advanced cancer care close to home.

WE ARE ONE OF THE LARGEST CANCER CARE PRACTICES IN THE NATION

The Region's Leading Oncologists, Breakthrough Treatments and Technologies,
World's Latest Research and Important Support Services—
Available To Every Community We Serve.



CANCER CARE IN YOUR COMMUNITY

TENNESSEE ONCOLOGY

1.877.TENNONC | tnoncology.com

Bank of America Presents:



OCTOBER 14 - 16, 2016
AT AUDUBON PARK



901.636.2362

WWW.MEMPHISMUSEUMS.ORG

Why we celebrate cooperatives

By Adam Schwartz

Every October, cooperatives from all sectors across the country celebrate National Cooperative Month to recognize the cooperative difference and remind the members about the electric cooperative's purpose.

It's easy to become somewhat cynical of the many different "days" and "months" that are observed, but National Cooperative Month is truly an opportunity to celebrate.

National Cooperative Month informs others about the unique co-op business model, which is based on the Seven Cooperative Principles: Voluntary and Open Membership; Democratic Member Control; Members' Economic Participation; Autonomy and Independence; Education, Training and Information; Cooperation Among Cooperatives; and Concern for Community.

For co-op employees and members who are familiar with the principles, the month of October is a great opportunity to renew their connection to each other and the purpose of their co-op.

In the U.S., more than 29,000 co-ops serve in every single industry. Many co-ops from different sectors

join together during the month of October to educate members in the community about cooperatives.

There are more co-ops in your local community than most people realize: credit unions, Ace Hardware, True Value and farmers co-ops. Cooperatives such as Land O'Lakes, Welch's, Organic Valley, Cabot Cheese, Sunkist, Ocean Spray and many more are even represented on the shelves at local grocery stores.

According to the latest data, more than 130 million people in the U.S. alone belong to co-ops, and cooperatives employ more than 2 million Americans.

This speaks to the heart of why co-ops take every opportunity to celebrate and teach others about the cooperative business model. So, plan your own co-op celebration by purchasing co-op products, look to do business with co-ops in your local community and be an active member of your local electric cooperative.

Adam Schwartz is the founder of The Cooperative Way, a firm that helps co-ops succeed. He is an author, speaker and member-owner of the CDS Consulting Co-op. Follow him on Twitter — @adamcooperative — or email aschwartz@thecooperativeway.coop.



**UTILITY POLES
ARE NOT
BULLETIN BOARDS**

Think before you post that sign!
Staples, nails and tacks used to hang signs and fliers create dangerous obstacles for electric lineworkers.
Their jobs are dangerous enough – help us keep them safe!

From the front lines to power lines

Electric co-ops care about veterans

By Anne Prince

Electric co-ops have long had a special affinity for veterans, perhaps because they are both so closely aligned in outlook, focusing on service, mission and country. Maybe it's because a disproportionate number of veterans come from rural communities and return to their hometowns following active duty. Or maybe it's due to the shared work ethic of teamwork, cooperation and a "get it done" attitude. Most likely, it is all of these.

Network of caring

Your local electric cooperative is among the more than 900 electric co-ops across the country to support and honor our nation's veterans of all generations. The cooperative is grateful to have veterans within its ranks, and it's proud to serve veterans and their families within your local community.

We are not alone in our efforts to honor and serve veterans. As part of our national network of electric cooperatives spanning 47 states and covering 75 percent of the nation's landmass, there are countless programs that our family of co-ops has initiated. At the national level, we support Serve our Co-ops; Serve Our Country, a nationwide initiative aimed at employing and honoring veterans, military service members and their spouses. This program came with a great vision of forming a national coalition with the shared goal of hiring veterans into co-op jobs across rural and suburban America and setting them up for success in their local communities.

As part of a co-op veteran outreach effort, America's electric cooperatives are working closely with federal partners, including the Department of Energy, Department of Labor, Department of Defense, Veterans Administration, labor unions and other trade associations on an industry-wide veteran-hiring project, The Utility Workforce Initiative. Together, these groups are establishing a national employee resource group, Veterans in Energy, which will launch later this year to provide

transition, retention and professional development support to military veterans working in the energy industry.

Many programs, one purpose

At the local level, electric co-ops across America have created their own programs tailored to the unique needs of their community. For example, in the Bluegrass State of Kentucky, Pennyrite Electric Cooperative printed more than 10,000 "thank you" cards that members signed and were later delivered to troops on active duty in nearby Ft. Campbell.

Many electric co-ops sponsor "Honor Flights," enabling veterans from the Korean conflict and WWII to visit war memorials in Washington, D.C., at no charge. In the small town of

Fort Dodge, Kansas, Victory Electric Cooperative partnered with the local VFW to create the Vittles for Vets program aimed at stocking the food pantry at the Fort Dodge Soldiers Home. Many of the veterans living there and in surrounding communities are on limited incomes, and the food pantry helps the veterans meet basic needs.

Other co-ops forge strong partnerships with the military bases in their service territories. In Wyoming and North Dakota, co-op leaders and staff serve on military-civilian boards and committees that support activities initiated by their respective bases.

While the activities may differ, a commitment to supporting and caring for veterans is apparent at every electric co-op across this great nation. Your local electric cooperative is proud to be a part of the cooperative network that honors and supports veterans of all ages, ranks and branches of the military.

Anne Prince writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



Don't be fooled by common energy myths

By Abby Berry

Eating carrots will greatly improve your eyesight; cracking your knuckles leads to arthritis; watching too much TV will harm your vision. We've all heard the old wives' tales, but did you know there are also many misconceptions about home energy use? Don't be fooled by common energy myths.

Myth: The higher the thermostat setting, the faster the home will heat (or cool).

Many people think that walking into a chilly room and raising the thermostat to 85 degrees will heat the room more quickly. This is not true.

Thermostats direct a home's heating, ventilation and air-conditioning system to heat or cool to a certain temperature. Drastically adjusting the thermostat setting will not make a difference in how quickly you feel warmer. The same is true for cooling. The Department of Energy recommends setting your thermostat to 78 degrees during summer months and 68 degrees in the winter.



Cooking Efficiency Tip

Every time you open the oven door to check on a dish, the temperature inside is reduced by as much as 25 degrees, increasing cooking time - and energy use! Try using the oven light instead.



Myth: Opening the oven door to check on a dish doesn't really waste energy.

While it can be tempting to check the progress of that dish you're cooking in the oven, opening the oven door does waste energy. Every time the oven door is opened, the temperature inside is reduced by as much as 25 degrees, delaying the progress of your dish and, more importantly, costing you additional money. If you need to check your food, try using the oven light instead.

Myth: Ceiling fans keep your home cool while you're away.

Believe it or not, many people think this is true. Ceiling fans cool people, not rooms. The fans circulate room air but do not change the temperature. A running ceiling fan in an empty room is only adding to your electric bill. Remember to turn fans off when you're away and reduce your energy use.

Myth: Reducing my energy use is too expensive.

Many consumers believe that reducing energy use requires

expensive up-front costs like purchasing new, more efficient appliances or construction upgrades to an older home. But the truth is, consumers who make small changes to their energy-efficiency habits such as turning off lights when not in use, sealing air leaks and using programmable thermostats can see a reduction in energy consumption.

Remember, energy efficiency doesn't have to be difficult. Focus on small changes to save big. Learn more about ways to save energy by visiting energyright.com.

Abby Berry writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

Energy Efficiency Tip of the Month



An average household dedicates about 5 percent of its energy budget to lighting. Switching to energy-efficient lighting is one of the fastest ways to cut your energy bills. By replacing your home's five most frequently used light fixtures or bulbs with models that have earned the ENERGY STAR rating, you can save \$75 each year.

Source: energy.gov

Pros and cons of heat pump water heaters

By Tom Tate

The water heater is a major consumer of electricity in today's home. Because of how electric water heaters work — using electric resistance elements — these units max out in efficiency at about 96 percent. As the government and industry seek ways to reduce energy use and the resulting carbon emissions, they have turned their attention to the electric water heater. After a lengthy study, the Department of Energy issued rules governing the efficiency of electric water heaters. The rules, which went into effect in 2015, resulted in a jump in efficiency requirements for larger residential electric water heaters. Enter the heat pump water heater (HPWH).

Heat pumps have been in use for general home heating and cooling since their invention in the 1940s by Robert C. Webber. When the oil embargo of the 1970s brought the need for improved efficiency to the forefront, heat pumps became an important source of increased energy efficiency in the heating, ventilating and air-conditioning (HVAC) arena.

Heat pumps operate by using compressors, refrigerant, heat exchangers and the difference in outside air temperature versus indoor temps to produce heating and cooling for homes and businesses. These units historically have been most successful in areas with moderate winter temperatures, although advances in technology are making use in colder climates more feasible.

So, how does an HPWH function, and what are its advantages and disadvantages? In short, the HPWH

absorbs heat from the surrounding air, using it to heat water within the tank. Because the HPWH uses heat pump technology, it can be up to 2.5 times more efficient than a traditional resistance electric water heater. This means it will cost you less to produce hot water for your home and reduce carbon emissions.

The tables below detail the key advantages and disadvantages of the HPWH. As with heat pumps for general space-conditioning, the HPWH will provide greater year-round savings in moderate climates.

Like any new application of a technology, HPWHs will benefit from steady improvements over time. They are undeniably more efficient than electric resistance water heaters and will pay for themselves in a reasonable amount of time (two to three years or so). However, they may not be the right choice in every situation and climate. If your water heater is more than 10 years old, you should be looking at a replacement anyway to avoid the risk of water damage should the tank fail. Take the time to weigh the pros and cons of the HPWH as a replacement. If it is right for you, an HPWH is a choice that will pay dividends on your budget and in contributing to a reduction in carbon emissions.

Tom Tate writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

PROS

OF HEAT PUMP WATER HEATERS (HPWH)

- Efficiency can be as much as 2.5 times higher than an electric resistance alternative
- Cool surrounding space in the summer, making the area more comfortable
- Use waste heat from the central furnace during winter months
- May qualify for \$300 Federal Tax Credit in 2016
- Can save \$330 annually for a family of four, depending on water use and electricity rates

CONS

OF HEAT PUMP WATER HEATERS (HPWH)

- Cost about twice as much as electric resistance water heaters
- The compressor will make a noticeable noise. Insulating the mechanical room can reduce the sound, but doing so reduces the amount of warm air for the unit's use
- Make the heating system work harder during winter months because it generates cold air while operating
- Physical size of an HPWH can be greater than an electric resistance alternative
- Require additional space for air flow (1,000 cubic feet) and a condensation drain or pump
- Slow recovery may be a problem when demand for water is high

The world turns more energy-efficient

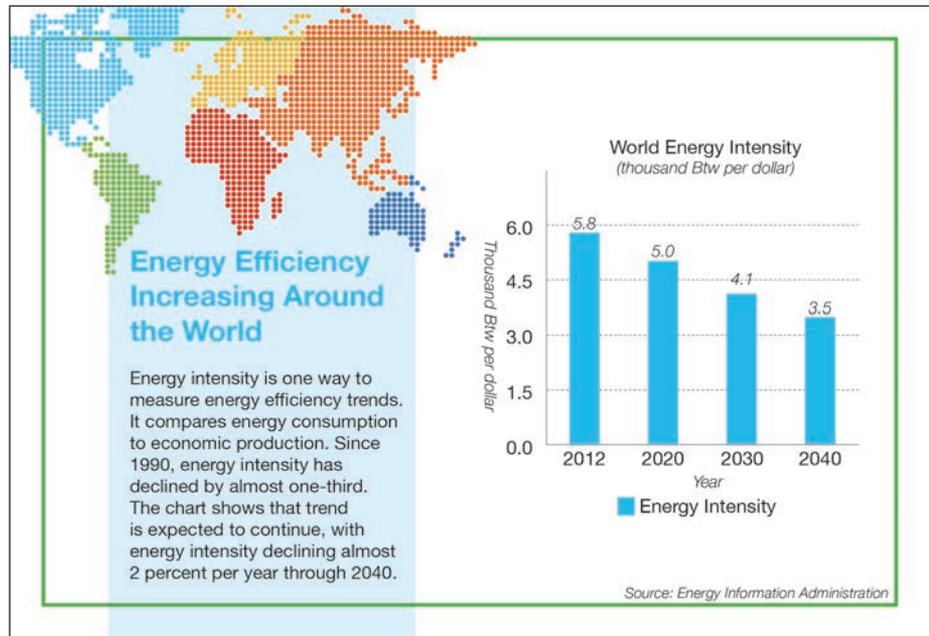
Efficiency trends are expected to continue for decades

By Paul Wesslund

People aren't just talking about energy efficiency. It's actually happening across the globe — and there is a way to measure it.

It's called energy intensity and is calculated by comparing energy consumption to the measure of a country's economic production — its Gross Domestic Product. In other words, energy intensity measures how much energy it takes to produce a dollar of economic activity.

In the past 25 years, energy intensity worldwide has dropped by one-third, says the U.S. Department of Energy's Energy Information Administration (EIA). There can be a lot of reasons for a decline in energy intensity: more efficient lighting options, energy use habits, standards for vehicle fuel economy and building codes and economies based more on services and less on industrial production.



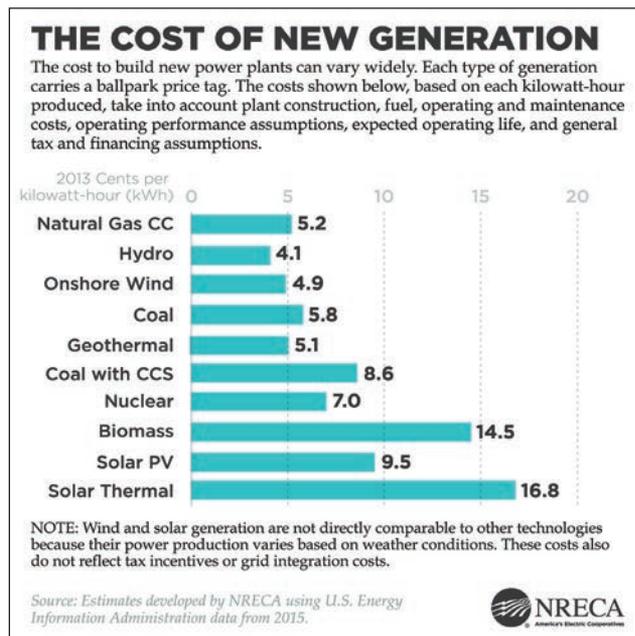
“Energy intensity has decreased in nearly all regions of the world,” says EIA, “with reductions in energy intensity occurring both in the more developed economies ... and in the emerging nations.”

EIA predicts that energy efficiency will continue to improve. The agency's International Energy Outlook 2016 forecasts that over the next 28 years studied in the report, world energy intensity will decline almost 2 percent a year, from 5.8 thousand British Thermal Units of energy for each dollar of Gross Domestic Product in 2012 to 3.5 by 2040.

According to EIA, more economically developed countries tend to have lower energy intensities because they “have transitioned from relying on energy-intensive manufacturing to using more services-based economic activities, which are less energy-intensive.”

EIA says that in 2015, developed economies used 12 percent less energy per dollar than developing countries.

Paul Wesslund writes on cooperative issues for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.



New legislation eases UAV flying restrictions

By Dan Riedinger

When it comes to providing our members with safe, reliable and affordable electric service, anything that helps us get the job done more easily and efficiently is welcome news.

Recently, Tennessee's electric cooperatives received just such news from Washington, D.C., in the form of a new law governing the use of unmanned aerial vehicles (UAVs), or "drones," by electric co-ops and other operators of critical infrastructure. Under the law, signed by President Barack Obama on July 15, electric co-ops and other utilities will be able to use drones to more safely and efficiently respond to natural disasters and conduct routine maintenance — with fewer restrictions than in the past.

Drone use is so significant an issue for many co-ops that it has been a major priority for the National Rural Electric Cooperative Association (NRECA), the service organization that in Washington represents the interests of the nation's more than 900 electric co-ops. NRECA said the new law "will enable electric cooperatives to reduce risk for their employees, shorten outage times and save money for their member-owners." It's win-win for everyone.

Specifically, the law for the first time allows co-ops to fly drones beyond the line of sight and during nighttime hours to conduct utility activities that meet federal, state or local regulations and industry best practices for such tasks as utility

right-of-way inspections. Surveillance by drones equipped with cameras can speed safe recovery of power following severe weather by showing where and to what extent transmission lines are damaged. Drones also can be handy tools in vegetation management and routine inspections of critical equipment.

Until now, electric co-ops were limited to using drones during daytime hours and within a direct line of sight. Until recently, drone operators also were required to have a commercial pilot's license, but that constraint was removed by the Federal Aviation Administration (FAA) in June. Operators now can obtain a license by passing a test at facilities approved by the FAA.

The changes to drone use requirements have the potential to make a big difference in reliability and safety efforts. Fortunately, Congress and the president listened to electric co-ops' concerns and removed some major obstacles to expand commercial drone use. Now, electric co-ops across the country can take advantage of this cutting-edge technology if they find it will reap benefits for themselves and their members.

Dan Riedinger writes on consumer and cooperative affairs for the National Rural Electric Cooperative Association, the Arlington, Va.-based service arm of the nation's 900-plus consumer-owned, not-for-profit electric cooperatives.

HOW ELECTRIC CO-OPS CAN PUT **DRONES** To USE

- Co-ops can assess storm damage when roadways are inaccessible.
- Infrared capabilities can detect hot spots on power lines or in substations.
- Drones are easily maneuvered to show vegetation management needs near lines.
- GPS data can pinpoint areas in the co-op's service territory that need attention.



America's Electric
Cooperatives

ENERGY VAMPIRES ARE LURKING IN YOUR HOME



Save energy in your home by locating energy vampires!
These are the electronics and appliances that consume energy even when they are not being used. *Circle the energy vampires below, and use the key to check your answers.*



OVEN



CELL PHONE
CHARGER



CABLE/SET TOP BOX



LAPTOP
CHARGER



DISHWASHER



LAMP



Answer Key:
Cell phone charger, Laptop charger, Cable box

Is your attic haunted by lack a of insulation?

Dear Pat: Winter will be here before we know it, and I'm wondering if more insulation could help keep my heating bills low. Where should I look to add insulation? — Loreen

Dear Loreen: Sealing and insulating your home to efficient levels can cut your heating and cooling costs by an average of 15 percent and sometimes much more — all while making you more comfortable in your home.

Your attic is one of the first places you should consider insulating. It is usually accessible and easy to inspect, and most homes do not have enough attic insulation. Insulation standards for new homes increased in 2012, and many homes built before then do not have the current recommended amount.

Insulation is graded by its “R-value” — the higher the R-value, the greater the insulating power. If you live in a mild climate, your attic should have a minimum grade of R-38, or about 13-14 inches of insulation. More may be needed depending on your home and exact climate.

As a general rule, if you go into your attic and can see the ceiling joists on the attic floor, there is not enough insulation. Hiring a trained energy auditor is the best way to diagnose shortcomings with insulation or any other energy-related issue. Check with your electric co-op to see if it offers energy audits or can refer you to a local energy expert. Your co-op may also offer rebates for adding attic insulation.

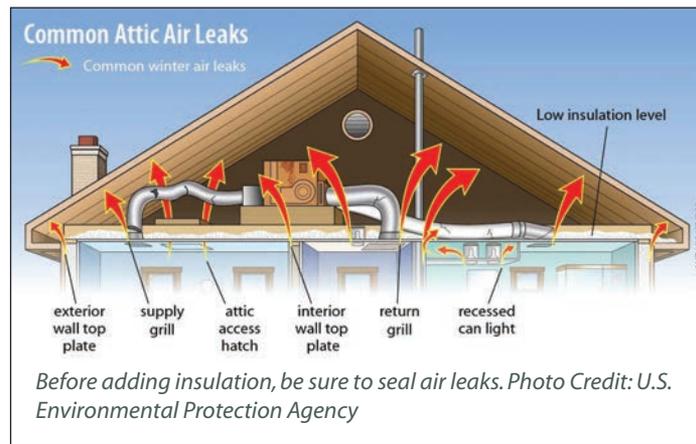
Once you have determined that you need more insulation in your attic, there are a few things you can do before laying down additional layers:

- If you must use your attic to store items like holiday decorations, build a platform high enough to allow installation of the recommended insulation levels.
- If you live in an older home, check your attic's electric wiring. Is the insulation around the wires degrading? Do you have knob and tube wiring? In either case, you will likely need to replace the wiring before proceeding.

You will then need to decide who will do the insulation work. If a “do-it-yourself” project interests you, you'll

need to do some homework. Installing insulation is messy, potentially dangerous and requires special equipment. Fortunately, there are many experienced insulation contractors. You should discuss a few things with contractors before you agree to hire them:

- Be sure that you or your contractor seals any air leaks that can bring warm, moist air from your home into the attic, which can reduce the insulation value and create mold.
- Pay particular attention to your attic door or hatch. This entry point is a significant contributor to heat loss and heat gain in the home.
- If you have existing attic insulation, it is usually not necessary to



remove it unless it is wet, moldy or contains animal waste.

- Make sure there is sufficient ventilation in the attic. Warmth and moisture can build up in an improperly ventilated attic, which can lead to roof problems such as roof rot or ice dams.

There are two types of insulation that you could place on your attic floor: batt/roll or blown-in/loose fill. Blown-in insulation requires special equipment to install, but it fills the space better than batt insulation, which can leave gaps and voids without careful cutting and placement around ceiling joists, vents and other attic impediments.

Insulation is most commonly made from fiberglass, cellulose or mineral wool. Many energy advisers recommend blown-in cellulose insulation due to its superior coverage, high R-value and air-sealing abilities; blown-in cellulose insulation is treated with boric acid, which acts as a fire retardant and insect repellent.

Before you get started, consult with your local energy auditor or insulation contractor for help in determining what type and material of insulation will work best in your home. ■

This column was co-written by Pat Keegan and Amy Wheelless of Collaborative Efficiency. For more information on sealing and insulating your attic and other efficiency subjects, visit www.collaborativeefficiency.com/energytips.

West Tennessee

Sept. 30-Oct. 2 • Reelfoot Arts and Crafts Festival, Reelfoot Lake State Park, Tiptonville. 731-885-7295 or reelfootartsandcrafts.com

Sept. 30-Oct. 2 • “Schoolhouse Rock Jr.” Historic Savannah Theater, Savannah. 731-412-8169 or drmwvrs.net

Oct. 1 • Mid-South Classic Collector Car Auction, 50 Fiberglass Road, Jackson. 731-423-5551 or lonniecobb.com

Oct. 1, 8, 15, 22 and 29 • Fall Gardening Series, Tipton County Museum, Covington. 901-476-0242

Oct. 1-31 • McDonald’s Pumpkin Village, Discovery Park of America, Union City. 731-885-5455 or discoveryparkofamerica.com

Oct. 2-8 • 49th Annual Davy Crockett Days, downtown Rutherford. 731-665-7253 or jobne@msn.com

Oct. 4-8 • Fall and Christmas Open House, Charlene’s Colony of Shoppes, Halls. 731-836-5418 or charlenes.net

Oct. 8-9 • Fall Pet Adoptathon, Petsense, Union City. 731-885-7280

Oct. 8-9 • 11th Annual Bull-Riding and Bull-Fighting School, Cowboys for Christ Arena, Friendship. 731-676-4586 or 931-619-8870

Oct. 14-15 • Annual McNairy County Quilt Show and Sale, The Springs United Pentecostal Church, Bethel Springs. 731-645-9243 or mcnairycoquiltsow.webs.com

Oct. 28-30 • “Nevermore — The Imaginary Life and Mysterious Death of Edgar Allan Poe,” Historic Savannah Theater, Savannah. 731-412-8169 or drmwvrs.net

Middle Tennessee

Now-Oct. 31 • Cedarwood Pumpkin Patch, Cedarwood Nursery, McMinnville. 931-939-3960 or cedarwood@blomand.net

Sept. 30-Oct. 1 • Tennessee Fall Star Gaze, Fall Creek Falls State Park, Spencer. watkinslk@comcast.net or cumberlandastronomicalsociety.org

Sept. 30-Oct. 1 • 11th Annual Hickman County Quilt Show, First Baptist Church, Centerville. 931-994-7884

Sept. 30-Oct. 29 (Fridays and Saturdays) and Oct. 31 • Millers Thrillers Haunted

Woods, 2499 Greens Mill Road, Columbia. 931-698-1664 or millersthrillers.net

Oct. 1 • 19th Annual Candlelight Cemetery Tour, Gallatin City Cemetery, Gallatin. 615-451-3738 or sumnercountymuseum.org

Oct. 1 • 17th Annual Granville Fall Celebration, throughout Granville. 931-653-4151 or granvilletn.com

Oct. 1 • Lewisburg Lions Club Octoberfest and Pancake Breakfast, Lewisburg Square, Lewisburg. 931-359-7354 or e-clubhouse.org/sites/lewisburgtn

Oct. 1 • Autumn in the Country Arts and Crafts Fair, Centerville Courthouse and Lawn, Centerville. 931-242-0428

Oct. 1 • Muletown Musicfest, downtown Columbia. 931-375-4106

Oct. 1 • Herb Society of Nashville Annual Herb Day, Cheekwood Botanical Garden and Museum of Art, Nashville. herbsocietyofnashville@gmail.com or herbsocietynashville.org

Oct. 1 • Eighth Annual Grey Ghost 5K, Historic Oaklawn Plantation, Spring Hill. 570-899-7644 or greyghost5k.com

Oct. 1 • Annual Pocahontas School Craft Fair and Yard Sale, Pocahontas Community Center, Morrison. 931-588-1229 or rhondabilly291992@yahoo.com

Oct. 1 • Quilt Show, Antique Appraisals and Quilt Trunk Show, Robertson County Fairgrounds, Springfield. 615-384-7936

Oct. 1 • 10th Annual Cruisin the Hollow, Wiseman Park, Lynchburg. 931-703-2644 or rcookin@gmail.com

Oct. 1 • Campbellsville Heritage Festival and Run the Rolling Hills 5K and Kids Fun Run, downtown Campbellsville. 931-527-3818

Oct. 1-2 • National Banana Pudding Festival, Centerville River Park, Centerville. 931-994-6273 or bananapuddingfest.org

Oct. 6-15 • “Sunset Boulevard,” Gaslight Dinner Theatre, Dickson. 615-740-5600 or gaslightdinnertheatre.org

Oct. 7-8 • Goats, Music and More Festival, Rock Creek Park, Lewisburg. 931-359-1544 or goatsmusicandmore.com

Oct. 7-8 • Oktober Heritage Festival, downtown Hohenwald. 931-796-4084 or hohewaldlewischamber.com

Oct. 7-8 • Arts in the Appalachians Art Walk, downtown Gainesboro. 931-310-4699

Oct. 7 and 21 • Millersville Bluegrass Show and Jam, Millersville Community Center, Millersville. 615-429-6831 or millersvillebluegrass.com

Oct. 8 • The Big Stitch, FiftyForward Patricia Hart Building, Nashville. 615-410-0620 or knitandcrochettn.org

Oct. 8 • Annual History Hayride Fundraiser, Edgar Evins State Park, Silver Point. 800-250-8619 or foesp.alturl.com

Oct. 8 • Fannie Moffitt Autumn Stomp and Cruise In, Laurel Leaf Studio, Altamont. 931-692-3879

Oct. 8 • Sewanee Fall Arts and Crafts Fair, Shoup Park, Sewanee. 615-337-4717 or wehrmeyer@bellsouth.net

Oct. 8 • 23rd Annual Fall Classics Car and Truck Show, Lewis County Courthouse Lawn, Hohenwald. 931-796-4084 or hohewaldlewischamber.com

Oct. 8 • Music on Main, Main Street, Ashland City. 615-792-4211, ext. 228, or ashlandcitytn.gov

Oct. 8 • Lions Club Car, Truck and Motorcycle Show, Houston County Middle School, Erin. 931-721-3799 or fwyaly@juno.com

Oct. 8 • Celebration of Nations, downtown Franklin. sistercitytn.org

Oct. 8-9 • 45th Annual Meriwether Lewis Arts and Crafts Show, River Walk Park, Columbia. 931-215-1616 or centerfort-heartscolumbia.com

Oct. 8-9 • Native Cultural Circle 19th Annual Intertribal Powwow and 10th Annual Trail of Tears Walk, 3011 Port Royal Road, Adams. 931-801-1415

Oct. 10-28 • Weekday Fall Color Pontoon Boat Cruises, Edgar Evins State Park, Silver Point. 800-250-8619 or foesp.alturl.com

Oct. 14 • Uncorked and Uncapped, Smyrna Senior Citizens Center, Smyrna. 615-459-4839 or smyrnaseniorcitizens.com

Oct. 14-16 • 35th Annual Tennessee Indian Education Pow Wow, Long Hunter State Park, Nashville. 615-232-9179 or naiatn.org

Oct. 14-16 • Southern Festival of Books, War Memorial Plaza, Nashville. 615-242-8856 or humanitiestennessee.org/programs

Oct. 14-16 • Hoedown on the Harpeth, Hayshed Farms, Kingston Springs. 615-354-1211 or hoedownontheharpeth.com

Oct. 14-16 and 21-23 • “To Kill A Mockingbird,” Manchester Arts Center, Manchester. 931-570-4489 or millenniumrep.org

Oct. 15 • Super Fall Foliage Excursion Train to Monterey’s Standing Stone Festival, Tennessee Central Railway Museum, Nashville. 615-244-9001 or tcr.org

Oct. 15 • Good Time Cruisers Cruise In, Liberty Square, Sparta. 931-212-7658

Oct. 15 • Second Annual Critter Masquerade Ball, McMinnville Moose Lodge No. 1725, McMinnville. 931-668-9995 or facebook.com/events/185148958513437

Oct. 15 • First Southern Gala, Manchester Coffee County Senior Center, Manchester. 931-723-8288

Oct. 15 • Ninth Annual Tims Ford State Park Heritage Day, Tims Ford State Park, Winchester. 931-962-1183 or tnstateparks.com/parks/about/tims-ford

Oct. 15-16 • Webb School Art and Craft Fair, downtown Bell Buckle. 931-389-9663 or bellbucklechamber.com

Oct. 15-16 • Wilson Bank and Trust’s Oktoberfest, Wilson Bank and Trust, Lebanon. 615-443-6635 or wilsonbank.com

Oct. 16 • “If These Logs Could Talk,” Wynnewood State Historic Site, Castalian Springs. 615-452-5463 or historicwynnewood.org

Oct. 20 • A Night with the King, Smiley Hollow, Goodlettsville. 615-384-6367 or beth@rcseniorcenter.com

Oct. 20-29 • “Sweeney Todd,” Springfield High School, Springfield. 615-384-3516

Oct. 21-22 • 28th Annual Jack Daniel’s World Championship Invitational Barbecue, Wiseman Park, Lynchburg. 931-759-6930, jackdaniels.com

Oct. 22 • Fall Farm Adventure, Amazin’ Acres of Fun, Sparta. 931-761-2971 or amazinacres.com

Oct. 22 • Brenthaven Craft Bazaar, 516 Franklin Road, Brentwood. 615-714-3905

Oct. 22 • Super Fall Foliage Excursion Trains to Cookeville, Tennessee Central Railway Museum, Nashville. 615-244-9001 or tcr.org

Oct. 22-23 • Clarksville Kennel Club Dog Show, Montgomery County 4-H Arena, Clarksville. 931-648-9276 or clarksvilkennelclub.com

Oct. 22-23 • Fall Colors Weekend, Fall Creek Falls State Park, Spencer. 423-881-5708 or tnstateparks.com/parks/about/fall-creek-falls

Oct. 22, 28 and 29 • Tag-Along Ghost Hunt, Falcon Rest Mansion and Gardens, McMinnville. 931-668-4444 or falconrest.com

Oct. 27 • Historic Nashville Jubilee, Station Inn, Nashville. 615-573-8321 or thenashvillejubilee.com

Oct. 28-29 • “Scooby-Doo Murder Mystery,” Springhouse Worship and Arts Center, Smyrna. 931-325-9606

Oct. 29 • Tours of Evergreen Cemetery, Oaklands Mansion, Murfreesboro. 615-893-0022 or oaklandsmansion.org

Oct. 29 • Second Annual Fall-O-Ween, downtown Livingston. 931-823-6421

Oct. 29 • 12th Annual Re-Enactment Walk of the 1838 Bell’s Route of the Trail of Tears, Adams Street, Fayetteville. 931-937-4644 or firstnationspeople.org/renact.htm

Oct. 29 • 43rd Annual Gospel Music Fest, Capitol Theatre, Lebanon. 615-477-2984

Oct. 29 • Annual Fall Color Pontoon Boat Cruise, Edgar Evins State Park, Silver Point. 800-250-8619 or foeesp.alturl.com

Oct. 29 • Second Annual Trick or Trot 5K, downtown Livingston. 931-823-5911

Oct. 29 • Blue Jean and Goblin Ball, Fly Arts Center, Shelbyville. 931-684-8359 or flyartscenter.com

East Tennessee

Sept. 27-Oct. 1 • Marion County Fair, Marion County Fairgrounds, Jasper. 423-488-0771 or marioncountyfair.com

Oct. 1 • 17th Annual 12-Mile Yard Sale, Clinch Valley Road, between Rogersville and Sneedville. 423-921-8303

Oct. 1 • Tour de Tellico Bike Ride, First Baptist Church, Tellico Village. 423-884-3369

Oct. 1 • Michaelmas, Historic Christ Church-Episcopal, Rugby. 423-628-1282 or grannymcbrayer@gmail.com

Oct. 1 • Wayne Henderson and Friends, Heritage Hall Theatre, Mountain City. 423-727-7444 or heritagehalltheatre.org

Oct. 1-2 • Hancock County 40th Annual Fall Festival, downtown Sneedville. 423-300-1020 or hancoevents.com

Oct. 1, 8, 15, 22 and 29 • Bird Walks, Sycamore Shoals State Historic Park, Elizabethton. 423-543-5808 or www.sycamoreshoalstn.org



Oct. 6-9 • 22nd Annual Sycamore Shoals Quilt Show, Sycamore Shoals State Historic Park, Elizabethton. 423-543-5808 or sycamoreshoalstn.org

Oct. 7-9 • Tennessee Fall Homecoming, Museum of Appalachia, Clinton. 865-494-7680 or museumofappalachia.org

Oct. 8 • Harvest Moon Art Fest, Festival Park, Cumberland Gap. 616-540-7532 or facebook.com/CumberlandGapArtistsCoop

Oct. 14-15 • 24th Annual Cranberry Festival, Shady Valley Elementary School, Shady Valley. 423-727-5800 or 423-739-2422

Oct. 14-15 • Harvest of Art, Rhea County Welcome Center, Dayton. 423-775-5122

Oct. 14-16 • Knoxville Gem and Mineral Society Annual Show, Kerbel Temple, Knoxville. 865-579-0988 or knoxrocks.org

Oct. 15 • Pumpkin Festival, Good Shepherd Lutheran Church, Morristown. 423-231-2975

Oct. 15 • Valle Country Fair, Valle Crucis Conference Center Grounds, Valle Crucis, North Carolina. 828-963-4609 or vallecountrypair.org

Oct. 15-16 • Heritage Days, downtown Rogersville. 423-272-5171

Oct. 21-23 • 15th Annual Sycamore Shoals Celtic Festival, Sycamore Shoals State Historic Park, Elizabethton. 423-543-5808 or sycamoreshoalstn.org

Oct. 22-23 • 41st Annual Mountain Makins Festival, Rose Center, Morristown. 423-581-4330 or rosecenter.org

Flooded freight elevator all that is left of Houston County community

To the best of my knowledge, it is the only permanently flooded structure quite like it in Tennessee. However, few of the skiers, sightseers and fishermen who see it, drive around it and even climb on it probably know what it is and why it still stands.

A concrete edifice commonly known as the “Danville Grain Elevator” (to history buffs as the “Danville Freight Elevator”) sits in the middle of Kentucky Lake. If ever there was a case study of how a promising place can vanish from the map, this would be it.

Danville was once sort of important.

The community popped up in the mid-1800s in a relatively narrow section of the Tennessee River at the border of Benton and Stewart counties (Houston County was later carved out of parts of Stewart County).

In 1852 — when there was no bridge connecting West Tennessee to Middle Tennessee — engineers from the Memphis, Clarksville and Louisville Railroad decided Danville was the best place to build a bridge across the Tennessee River. It took several years, but the railroad built the bridge, making Danville a critical link between the Ohio River Valley and the Mississippi River. At the time, there would have been a lot of cotton merchants in Memphis and wholesale grocers in Louisville pretty excited about this remote spot on the map.

As Danville’s bridge was being built, its residents probably assumed that their community had arrived. Some may have foreseen that it would one day be a noteworthy city along the river. After all, at the time the Danville Bridge opened, it was the only crossing

on the 255 miles of the Tennessee River below Florence, Alabama.

However — talk about a bad omen — the Danville Bridge opened in April 1861, the very month that the Civil War broke out. Late that year, the Confederate

government, recognizing the significance of this junction between river and railroad, stationed a commissary and hospital at Danville.

On Feb. 6, 1862, Ft. Henry and Ft. Heiman (each about 25 miles downstream from Danville) fell to Union forces.

After the surrender, four Confederate steamers fled upstream. General

Ulysses S. Grant sent a small Union Navy flotilla commanded by Navy Capt. Seth Phelps to chase them down and secure the Danville Bridge.

According to “Ironclad Captain: Seth Ledyard Phelps and the U.S. Navy,” Confederate soldiers were loading equipment and supplies to a train when the Union Navy forces approached Danville. “As the gunboats approached, the train pulled out with the telegrapher, his equipment, and those who did not wish to stay behind.” Union troops secured the small commissary and hospital. For the most part, the bridge remained in Union hands for the rest of the war.

By 1871, the Louisville & Nashville Railroad had taken over what was left of the Memphis, Clarksville and Louisville Railroad. Knowing it would be a great place to transfer freight from rail to river (and vice versa), the L&N built a station in Danville for the loading, unloading and temporary storage of various kinds of freight along with a short railroad spur to connect to the main line.



The Danville Freight Elevator when it was still an active place for storing, loading and unloading goods from boats and trains. Photograph courtesy of the Houston County Archives



In 1914, this transfer station was replaced by the steel and concrete freight elevator that remains today. “Many of L&N’s older structures from the 1860s and 1870s were of wood construction and by the turn of the century were being replaced,” says Dennis Mize, author of a 1999 book called “L&N’s Memphis Line: Bowling Green, Kentucky, to Memphis, Tennessee.” “I would not be surprised that an 1872 building needed replacement by 1914.”

Meanwhile, the small community of Danville remained, and it eventually came to contain homes, a few churches and a hotel. But it was never incorporated, and its population never grew larger than about 250 to 300 residents, according to longtime resident Bob McKinnon.

McKinnon says the freight elevator was a lively place. “There was a lot of agricultural products such as corn, cotton and peanuts,” he says. “The peanuts in particular were of interest to kids, who would come and find the ones that maybe had fallen out of the burlap sacks.”

McKinnon says some of the products that would have come through the freight elevator are ones that most people no longer associate with that part of Tennessee. “When they were still heavily harvesting white oak trees, you would see a lot of barrel staves being unloaded and loaded,” he says. “Another thing you would see a lot of was mussel shells, which were being harvested from the bottom of the river and sent as far away as Japan.”

The bridge across the Tennessee River at Danville was rebuilt several times before the railroad con-

structed a steel “camelback truss” bridge across the river there in 1932. Shortly after that, the Tennessee Valley Authority began building Kentucky Dam and buying all homes and farms it intended to flood to create Kentucky Lake.

It was TVA’s common practice to tear down every building on land it intended to flood. To this day, no one is sure why the agency didn’t tear down the freight elevator.

“There are some people who think they left it there to better mark the channel,” McKinnon says. “But I think they started to tear it down and decided it would be too much trouble because it was so solid.”

The water level rose about 55 feet when Kentucky Lake was created, submerging most (but not all) of the freight elevator.

The railroad line was deactivated through Danville and the bridge dismantled in the early 1980s. “Eventually, it didn’t make sense for the railroad to have two routes to Memphis,” says Houston County Mayor George Clark, who is now in the process of trying to have a park placed near the site.

The strange history of Danville, its riverfront and the abandoned freight elevator building leads to a rather bizarre conclusion: Most of it may be underwater, but this five-story structure is apparently the tallest building (from top to bottom) in Houston County. It is there because Danville, Tennessee, was once an important link between Louisville and Memphis.

That’s certainly something for the people who fish around and from it to contemplate. ■

Don't relegate fall pumpkins and squash solely to front-porch decor. Bring them to the kitchen, bake them and add spice for a meal that's quite nice!

Fall into Winter Squash

Roasted Winter Squash
Photograph by Robin Conover
Recipes compiled by Tammy Algood

Do you avoid recipes calling for winter squash because they are simply too difficult to cut? Maybe you've had too many close calls with a sharp knife and your fingers. If that sounds familiar, we have the perfect solution: Toast the rock-hard orbs whole! This will require removing all but the lowest rack in your oven and works for all types of winter squash varieties.

Note: you can use your favorite type of hard squash, including acorn or butternut, as a substitute for pumpkin in any of these recipes

Honey Grilled Pumpkin

Yield: 6 servings

1 (2-pound) unpeeled pumpkin, seeded and cut into 1-inch thick slices
8 tablespoons (1 stick) unsalted butter, melted
1 teaspoon salt
1 teaspoon black pepper
2 tablespoons honey
2 tablespoons Dijon mustard

Place the pumpkin slices in a large steaming basket and put over a large pot of boiling water. Steam about 15 minutes or until each is tender when pierced with a knife. Remove from the steamer and let cool. Then peel and preheat the grill to medium-high.

Dip the pumpkin slices in the melted butter and place on a baking sheet. Sprinkle evenly with the salt and pepper. In a small bowl, whisk together the honey and mustard to form a paste and set aside. Place the pumpkin slices on the on the grill for 2 minutes on one side. Turn and baste with the honey mixture. Grill 2-3 minutes more, then turn and baste again. Cook until lightly golden, about 2 minutes longer per side, and serve warm with any grilled meat.

Sautéed Pumpkin, Peppers and Greens

Yield: 4-6 servings

2 cups cubed (½-inch) fresh pumpkin
2 tablespoons olive oil
2 garlic cloves, peeled and minced
¾ teaspoon salt, divided
½ teaspoon black pepper, divided
2 red bell peppers, seeded and cut in

1-inch pieces
2 large handfuls of fresh spinach
2 large handfuls of Swiss chard, white ribs removed
¼ cup vegetable or chicken stock
3 tablespoons unsalted butter, softened
4 ounces crumbled Gorgonzola

Place the pumpkin in a steamer basket over boiling water and steam 10 minutes. Meanwhile, place the oil in a large wok over medium-high heat and sauté the garlic 1 minute, stirring constantly. Add the steamed pumpkin and sauté 4 minutes. Sprinkle with ¼ teaspoon each of the salt and pepper. Using a slotted spoon, transfer to a serving bowl.

Add the peppers to the wok and sauté 5 minutes, stirring frequently. Add the spinach and chard and sauté another 4 minutes. Add the stock and the remaining salt and pepper. Return the pumpkin to the wok and cook 1 minute longer. Stir in the butter and gently stir in the cheese. Serve immediately over polenta or noodles or serve alone as a side dish.

Fried Pumpkin

Yield: 4 servings

Vegetable oil for frying
1 (1½ pound) pumpkin, peeled, seeded and sliced
½ teaspoon salt
¼ teaspoon black pepper
3 tablespoons all-purpose flour
1 egg, beaten
2 tablespoons dry unseasoned breadcrumbs

Place 1 inch of oil in a large cast iron skillet and place over medium-high heat. Meanwhile, sprinkle the pumpkin slices evenly with the salt and pepper. Dip them in the flour, then the egg and finally the breadcrumbs. When the oil is hot, add the slices to the skillet and fry 5 minutes on each side or until golden brown. Do not crowd the pan, so work in batches if necessary. Drain on paper towels and serve warm.

Roasted Pumpkin Seeds

Yield: 1 cup

2 tablespoons vegetable oil
1 cup pumpkin seeds, washed and dried
½ teaspoon salt*

Preheat the oven to 325 degrees. Place the oil in a medium skillet over medium-high heat. When hot, add the pumpkin seeds and sauté until lightly browned, about 5 minutes. Stir frequently. Transfer to an ungreased baking sheet and spread the seeds in a single layer. Sprinkle evenly with the salt and bake 12-15 minutes or until crisp. Drain on paper towels and cool before serving. Store any leftovers in an airtight container.

** Note: You can substitute seasoned salt, garlic salt or onion salt if desired.*

Mixed Greens with Bacon and Fried Pumpkin

Yield: 4 servings

1 (1-pound) unpeeled pumpkin, seeded and cut in 1-inch slices
½ cup all-purpose flour
½ teaspoon dried thyme leaves
½ teaspoon salt, divided
½ teaspoon white pepper, divided
Vegetable oil for frying
¼ cup olive oil
¼ cup balsamic vinegar
1 garlic clove, peeled and minced
Mixed salad greens
2 slices thick cut bacon, fried and crumbled

Place the pumpkin slices in a large steaming basket and put over a large pot of boiling water. Steam about 15 minutes or until each is tender when pierced with a knife. Remove from the steamer and let cool. Then peel and dice in large pieces.

Place the flour, thyme, ¼ teaspoon of the salt and ¼ teaspoon of the pepper in a large zip-top bag. Add the pumpkin cubes and shake to coat. Place 1 inch of vegetable oil in a large cast-iron skillet and place over medium-high heat. When hot, add half of the pumpkin cubes and fry about 3 minutes, turning to evenly brown. Transfer to paper towels to drain. Repeat with the remaining pumpkin.

Continued on page 34

Taste of Tennessee

Continued from page 33

In a jar with a tight-fitting lid, combine the olive oil, vinegar, garlic and remaining salt and pepper. Cover and shake to emulsify. Place the greens on each salad plate and top with the pumpkin and bacon bits. Drizzle with the dressing and serve immediately.

Roasted Winter Squash

Choose any winter squash.

Preheat the oven to 350 degrees. Place the whole squash on an ungreased jelly roll pan. Set the timer for 20 minutes for small to medium squash and 30 for large. Remove from the oven and cut in half or cube, removing and discarding the seeds as you go!

If you don't have a recipe in mind, coat the jelly roll pan with cooking spray and place the squash in a single layer. Drizzle with olive oil and sprinkle evenly with salt and pepper.

Return to the oven for 20-30 minutes. The squash is done when a cake tester or knife blade is easily inserted.

How to bake a pumpkin

Small 3-4-pound pumpkins can be baked whole, then easily peeled, seeded and mashed or pureed. Place the pumpkin on a baking sheet and place in a preheated 350-degree oven. Bake 1½ hours or until a sharp knife easily pierces through to the seed cavity. Remove from the oven and let cool on a wire rack. When cool enough to handle, use a large spoon to scoop out the seeds

Watch us on the web

Baking winter squash

Most fall produce, like pumpkins and hard squash are colorful and decorative — but they're also delicious! Don't let their hard exteriors discourage you; on the inside, they're real softies. Watch this video at tnmagazine.org or PickTnProducts.org to see how easy it is to roast pumpkins and hard squash whole.

Most pumpkins are edible, though many hybrids bred for carving tend to be bland or have little flesh. Some of the meatiest and most flavorful pumpkins are old varieties like Long Island cheese, Connecticut field, jarrahdale and an unusual Tennessee tradi-



tion, the cushaw melon, which is neither a melon nor a pumpkin but, nevertheless, is known for its superior pumpkin flavor. Names like sugar and New England pie are small-sized, old varieties perfect for both cooking and carving.

The surest way to get the freshest, best autumn produce for kitchen use is to buy straight from the farm or farmers market. Your farmer will be able to tell you what's an edible squash or pumpkin and what's a gourd — which isn't edible at all. Just don't try to use a pumpkin as a lantern one

day and then use the rest for cooking the next; a pumpkin needs to be cooked at the time it is cut. Decorate with these autumnal gems through the fall, and then, as the season ends, put to good use as seasonal sources of nutrition and flavor those without soft spots or wrinkles. Pumpkin freezes well and will substitute for squash and sweet potatoes in recipes.

To locate local fall produce or seasonal farm activities, visit www.picktnproducts.org. Let us hear from you with an email to food@tnmagazine.org.

and discard. Then mash or puree the flesh. Store in the refrigerator up to four days or freeze for longer use.

Larger, 6-7-pound pumpkins can be baked in halves using the same method, but decrease the cooking time to 45-60 minutes.

Pick Tennessee spokesperson Tammy Algood develops recipes for *The Tennessee Magazine* featuring fresh Tennessee food products. Pick Tennessee Products is a promotion of the Tennessee Department of Agriculture developed to help consumers recognize and choose foods grown or processed in Tennessee. To learn more about our state's food products and find more recipes, go to the Tennessee Department of Agriculture Market Development website at www.PickTnProducts.org or contact Algood at 615-837-5160 or tammy.algood@tn.gov.

Check out our new 3D designer on our website!



protect what matters

looks like

mother nature

finally met her match.

30x40 starting at \$7,914



CALL NOW FOR CURRENT SPECIALS 800-825-0316

50 YEAR PROTECTIVE WARRANTY

Visit WorldwideSteelBuildings.com for more information.

STEEL MOBILE HOME ROOFING

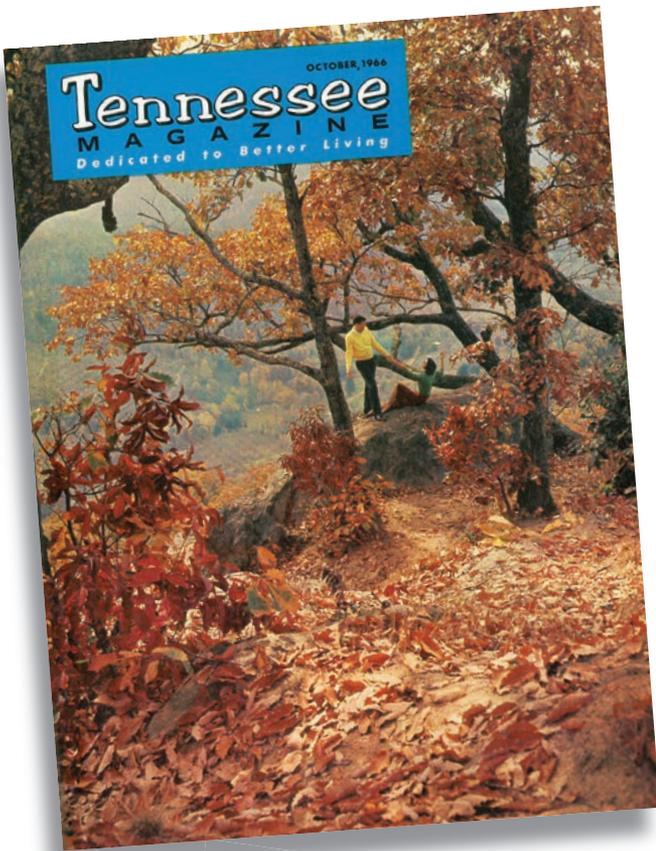
Insurance Credit
Expert Installation
Stop Leaks
Lower Electric Bill
Increase Home Value
Energy Star Certified
Lifetime Warranty



PERMA-ROOF
from Southern Builders



Since 1983
roofover.com
800.633.8969



50 YEARS AGO

in the **TENNESSEE** MAGAZINE

For more than 50 years, *The Tennessee Magazine* has been the official publication of our electric cooperatives, keeping member-owners informed about their co-op, showcasing the wonders of electric service and highlighting the special events around the state.

Back in October 1966, readers learned that electric lights and mechanized equipment make life on the farm easier, homemakers discovered the wonders of electric blenders and kids saw the Saturday morning television lineup.

While our fashions, appliances and recipes have significantly changed since 1958, our mission to entertain, educate and inform our readers has not. Here's a glimpse of what members 50 years ago saw in *The Tennessee Magazine*. View the entire October 1966 edition online at www.tnmagazine.org.

MAIL THIS MONEY-SAVING COUPON

100 TULIP BULBS
ONLY \$1.98
IMPORTED FROM DENMARK

America's Lowest Price

Full detailed color brochure, saving also special advertising. Complete listing of 100 tulip varieties, including 20 of the most popular. Includes also a complete listing of 100 of the most popular tulip varieties. All for \$1.98. Includes also a complete listing of 100 of the most popular tulip varieties. All for \$1.98. Includes also a complete listing of 100 of the most popular tulip varieties. All for \$1.98.

CO., DEPT. MG 1581 Grand Rapids, Mich. 49502

An Electric Blender Can Work Wonders For You

Mr. and Mrs. C. J. Baggett, Tibbs Community, find that a blender is the most satisfactory way to prepare healthful foods. Mrs. Baggett prepares all kinds of foods and in varied combinations,— but the meats (all kinds) are most pleasing and satisfying.

SEE AFTER DARK

Be Ready For Winter with a new, low cost Ritchie HOT-SCOT Space & Contact Heater

Small, powerful, dependable HOT-SCOT fits into these "tight spots"—for direct contact heat or to heat an enclosed space. A multi-purpose unit—just plug it in, set the thermostat and forget it! Makes an excellent replacement heater. May be used with several unheated Ritchie waterers. See your dealer or write for FREE literature.

RITCHIE Manufacturing Co.
180 Walnut St., Conrad, Iowa
Manufacturers of America's Most Complete Line of Automatic Waterers

IT PAYS TO MECHANIZE YOUR FARMSTEAD

SUPERHEROES-SCINTILLATING STARS!

See 'em mornings on WLAC-TV!

Saturday Morning's just for Kids!

Hey kids! Whee — Saturday morning on WLAC-TV! Cartoons with all your superheroes! New ones — like Frankenstein, Jr., Space Ghosts and The Roadrunner! Old favorites, too — like Mighty Mouse and Tom and Jerry! Then, at 11 o'clock every Saturday morning along comes Captain Bob with "The Popeye Party"! So, boys and girls, don't miss any of your favorite programs! Have Mom or Dad check the complete WLAC-TV program schedule to give you the exact time for each of your Superheroes!

UNDERDOG

POPEYE PARTY

Find the Tennessee flag

We have hidden somewhere in this magazine the icon from the Tennessee flag like the one pictured here. It could be larger or smaller than this, and it could be in black and white or any color. If you find it, send us a postcard or email us with the page number where it's located. Include your name, address, phone number and electric cooperative. One entry per person. Three winners will be chosen from a random drawing, and each will receive \$20.

Note that the icon we hide will not be on an actual flag or historical marker, will not appear on pages 20-26 and will not be placed in any ads. This month's flag will not appear on this page (that would just be too easy). Good luck!

Send POSTCARDS ONLY (no phone calls, please) to: *The Tennessee Magazine*, Find the Flag, P.O. Box

100912, Nashville, TN 37224. Or email entries to flag@tnelectric.org. Entries must be postmarked by Tuesday, Nov. 1. Winners will be published in the December issue of *The Tennessee Magazine*.

August's Flag Spotters

Thanks for the postcards and emails again this month identifying the correct location of the flag, which was found in the shadow of the glass on **page 3**.

Winners are drawn randomly from each month's entries. August's lucky flag spotters are:
Mary Boykin, Three Way, Gibson EMC
Phyllis Johnston, Fayetteville, Fayetteville Public Utilities
Buffy Copeland, Lancing, Plateau EC



Artist's Palette Assignment for October

Artist's Palette for October — You decide what to draw or paint. No more topics. It's up to you. Good luck!

Three age categories: 1 to 9, 10 to 14 and 15 to 18 years old. Each group will have first-, second- and third-place winners.

Media: Drawing or painting on 8½-by-11-inch unlined paper. We encourage the use of color.

Entry: Send your original art to: *The Tennessee Magazine*, Artist's Palette — **October**, P.O. Box 100912, Nashville, TN 37224. (Please make sure you include the month on the outside of the envelope!)

Deadline: Art must be postmarked by Tuesday, Nov. 1.

Include: Your name, age, address, phone number and electric cooperative. Leaving anything out will result in disqualification. Artwork will not be returned unless you include a self-addressed, stamped envelope with your submission. Each entry needs its own SASE, please. Siblings must enter separately with their own envelopes.

Attention, teachers: You may send multiple entries in one envelope along with one SASE with sufficient postage. **Winners** will be published in the December issue of *The Tennessee Magazine*. First place wins \$50, second place wins \$30 and third place wins \$20. Winners are eligible to enter again after three months. Winners will receive their checks, artwork and a certificate of placement within 30 days of publication.

Call for Entries Poet's Playground

Are you a poet at heart? If so, we would like to see your efforts in *The Tennessee Magazine's* monthly poetry contest. Please limit your poem to no more than 100 words. Your work must include a Tennessee theme. Winning poems will be printed in our December issue.

Subject: While the theme of your poem must include something Tennessee-related, including the word "Tennessee" is not required.

Age categories: The competition will include six age divisions — 8 and younger, 9-13, 14-18, 19-22, 23-64 and 65 and older. Each group will have first-, second- and third-place winners. First place wins \$50 and will be printed in the magazine, second place wins \$30 and third place wins \$20. Poems capturing first-, second- and third-place honors will be published online at tnmagazine.org.

What to enter: A poem of 100 words or fewer pertaining to the theme. One entry per person, and please give your entry a title.

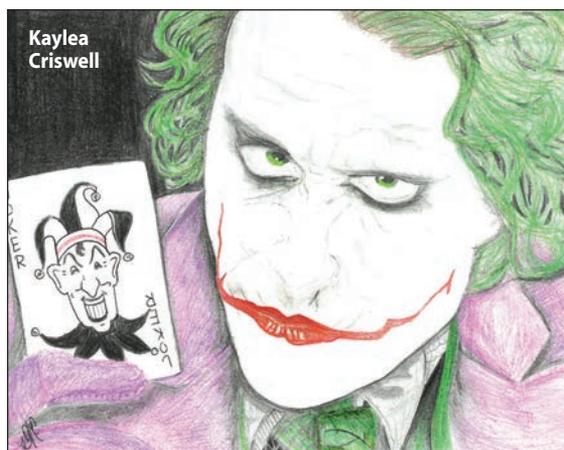
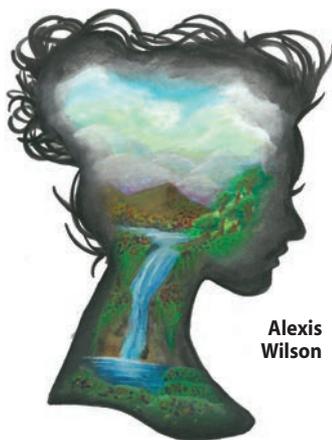
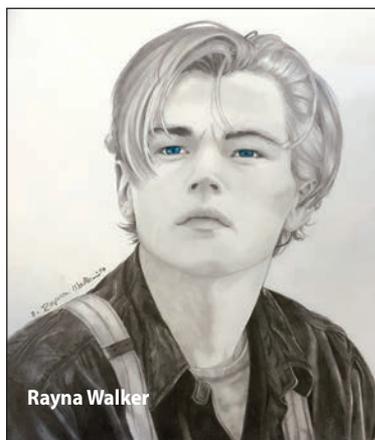
Deadline: Entry must be emailed or postmarked by Monday, Oct. 31.

Please note: By entering, you give *The Tennessee Magazine* permission to publish your work via print, online and social media.

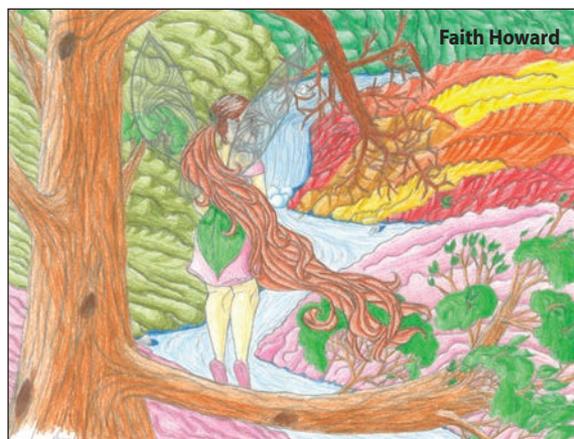
Please enter online at tnmagazine.org or mail handwritten entries to: Poetry Contest, *The Tennessee Magazine*, P.O. Box 100912, Nashville, TN 37224. Please make sure to print your poem legibly. Please keep a copy of your poem as submissions received via mail will not be returned.

All entries must include the following information, or they will be disqualified: your name, age, mailing address, phone number and the name of your electric cooperative.

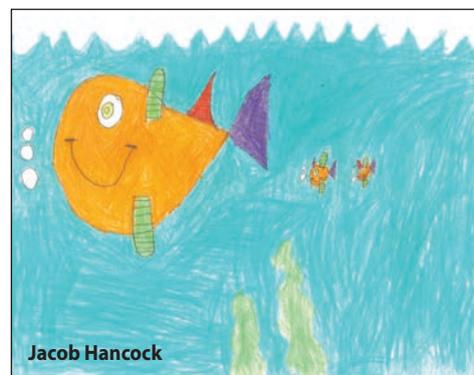
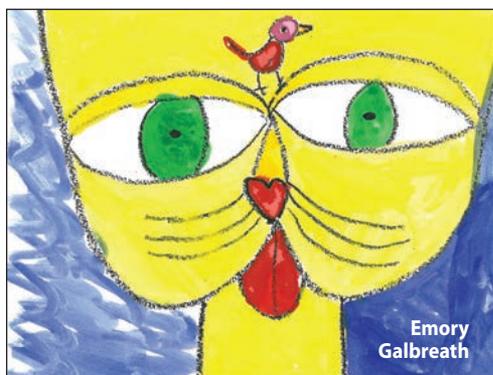
Artist's Palette *August Winners*



WINNERS, 15-18 AGE GROUP: First place: Rayna Walker, age 16, Middle Tennessee EMC; **Second place:** Alexis Wilson, age 18, Meriwether Lewis EC; **Third place:** Kaylea Criswell, age 15, Caney Fork EC



WINNERS, 10-14 AGE GROUP: First place: Sophie Reese, age 14, Fayetteville Public Utilities; **Second place:** Isaiah Kett, age 12, Duck River EMC; **Third place:** Faith Howard, age 12, Middle Tennessee EMC



WINNERS, 1-9 AGE GROUP: First place: Emory Galbreath, age 7, Holston EC; **Second place:** Cassandra Rosencrants, age 9, Cumberland EMC; **Third place:** Jacob Hancock, age 6, Middle Tennessee EMC

Poet's Playground

See page 36 for details on how to enter
The Tennessee Magazine's monthly poetry contest.

Age 8 and younger

The Kangaroo

The kangaroo from the
Tennessee zoo,
Was hopping today
and the farmer said, "hey!"
"You're going to the fair
because
You're sure to win something
there!"

At the fair there was a big
brown bear,
And an elephant with a big
long trunk.
The farmer said, "I'd better
get in bed
To be ready for the long day
ahead"

The next day the kangaroo
hopped,
And made those judges' eyes
pop!
The kangaroo got first, and
the farmer
Was proud enough to burst!

— *Magdalena Vongkasemsiri*
Middle Tennessee EMC

Age 9-13

Tennessee Palette

Green is
The sun-lit trees aglow
The fields that people often
mow

Blue is
The summer sky
The sheen on beetles passing by

White is
Puffy clouds like steam from
a train
Queen Anne's Lace on the
side of the lane

Gray is
The sky when there's a
thunderstorm
A dove in her nest, safe and
warm

Red is
The barns that you pass as
your drive along
Cheerful cardinals singing
their song

Yellow is
The firefly bottoms that light
up the night
The Tiger Swallow butterflies
as they take flight

— *Hannah Stone*
Middle Tennessee EMC

Age 14-18

Country Sunset

A sea of shifting hues
Warmly glowing
Rust, scarlet, rose
A hint of palest blue.
Clouds
Once flying cotton puffs
Laughing at their brothers far
below

Now mellowed
And swathed in soft
empurpled radiance.

The great orb
In final farewell
Gazes solemnly on the earthly
landscape —
Endless stretches
Of forest run wild
Rolling fields
Like a patchwork quilt
Squares in green, gold
And dappled white.
A lone mockingbird
Takes to air as
Piercing streaks of fire
Split the sky
Making black silhouettes
Of trees and silos.
The last rays
Fade and vanish
Shrouding the world
In endless gray.

— *Anna Stuart*

Age 19-22

Serendipity

Serendipity is the sun
Shining over a forlorn field
That is a hard life riddled
With uncertainty and a
constant
Fear of perpetual
disappointment.
It is finding love in hate,
And a flower growing in the
concrete

When the flood came
And you tried to rescue me,
When I found peace on my
own
On the Bicentennial Trail,
You were there as well.
No matter how dark the sky,
You brightened it whether I
wanted the sun or not,
And somehow I always found
Myself grateful for some-
thing I
Didn't know I needed.

— *Bethany Binkley*
Cumberland EMC

Age 23-64

Still

In this place
Where once the river bent
Native tongues spoke with
meaning
Words now echoed with hol-
low resonance
Lingering to haunt the sen-
tient soul
Chattanooga...
Etowah...
Mississippi...
Tellico...
Syllables murmur in ghostly
whispers
Within reservation
With many vowels
Mispronounced evidence of
Language lost and sold
With a little gold, shamefully
Promises made and broken
Still words remain
Mis-spoken

Falling on innocent ears
accustomed to
Erroneous inflection, grave
mis-direction
And abuse of phonics
But, tender conscience detects
What macron rejects
And is sorely pricked by
green-signs near paved-roads
And faded-maps in
stained-bureaus

— *Lucinda Coleman*
Duck River EMC

Age 65 and older

Old Lady in Red Convertible

Short punky white hair
Stands at attention
Tickling bronze leathery face
Of short stout matron
Barely peering over steering
wheel
Of bright red convertible
Resting at traffic light
On Main Street
Tullahoma, Tennessee 37388.
Rap music shouting, spouting
through air
Like invisible obnoxious
exhaust
Offending ears of nearby
drivers.
Blaring lime green t-shirt
Adorned with heavy jewels
Recently purchased
at Wal-Mart.
Glaring over-sized
multi-colored sunglasses
Perched on under-sized
pug nose.
Just before turning right
And disappearing out of sight
She catches my vision
Sparks my imagination
Gives me inspiration
And becomes subject
of this creation.

— *Christine Colane*
Duck River EMC

\$8,995 - 30x50x10 Painted Enclosed Built Price (not shown)

NATIONAL BARN COMPANY
EASTERN DIVISION

STORAGE BUILDINGS
HAY BARNs
HORSE BARNs
GARAGES



Building shown: \$18,938 Built Price
30x60x12 w/
12' open shed

- Fully Insured
- #1 Metal
- 4/12 Roof Pitch
- Engineered Trusses
- Custom Sizes Available
- Local Codes & Freight May Affect Price

MELOY METAL

Ask about our do-it-yourself materials kits.

www.nationalbarn.com
1-888-427-BARN (2276)



MORRISON
SUPERIOR QUALITY
PRE-CAST CONCRETE
TANK & VAULT

Pre-cast Steel Reinforced Concrete Storm Shelter

Complies with F.E.M.A. National Recommended Standards

1-800-404-9898
www.mtandv.com

Arco Steel Buildings
1-800-241-8339

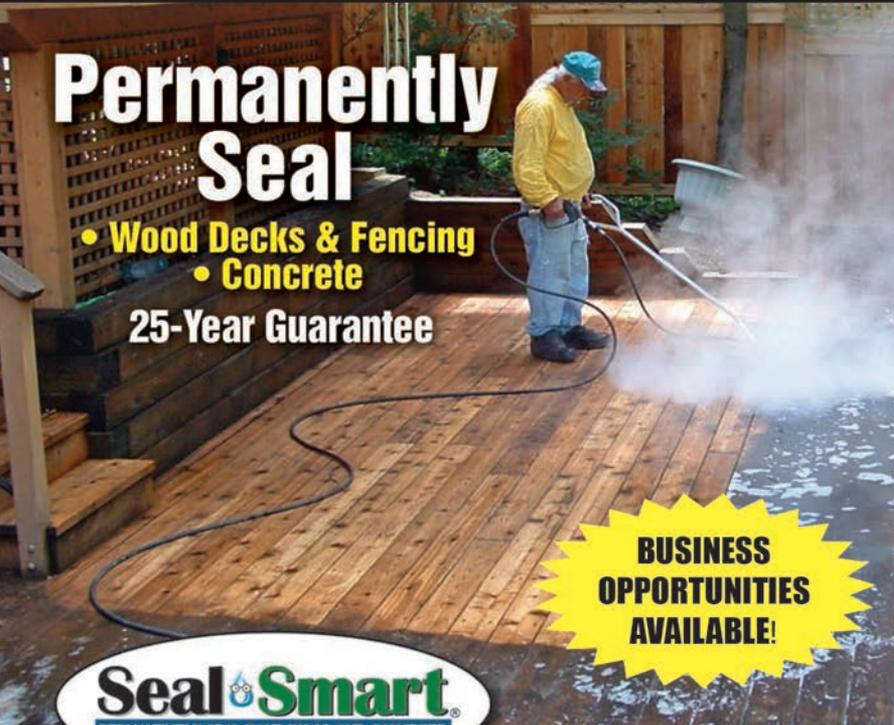


40 x 60 x 10	\$11,989
50 x 75 x 12	\$16,975
60 x 100 x 12	\$24,821
100 x 75 x 12 w/column	\$29,844
20 x 100 x 8'6" Mini Warehouse	\$8,998

All sizes available!
www.arcosteel.com

37 **Arco** **Years**
Arco Building Systems, Inc.

(Buildings not as shown above) (FOB plant-local codes may affect prices)



Permanently Seal

- Wood Decks & Fencing
- Concrete

25-Year Guarantee

BUSINESS OPPORTUNITIES AVAILABLE!

Seal Smart
PERMANENTLY SEAL YOUR WOOD AND CONCRETE



FREE ESTIMATES!

(877)273-2511
www.seal-smart.com

- We Clean, Seal & Protect
- Protect Against Water Damage
- Retard Mold, Mildew & Fungus
- Environmentally Safe
- Protect Your Investment Permanently

25% OFF Concrete, Deck or Fence Restoration

Seal Smart (877) 273-2511

With coupon only. Must be presented at time of order. May not be combined with other offers.

HIGH-SPEED INTERNET IS NOW AVAILABLE IN YOUR AREA!

DIRECTV customers are prequalified and eligible for bundled savings!

EnterSource
855-373-7123
www.entersource.tv

HughesNet Gen4
AUTHORIZED RETAILER

© 2016 Hughes Network Systems, LLC. HughesNet is a registered trademark of Hughes Network Systems, LLC, an EchoStar Company.

Dear Connie,

I have this old children's glider and would like some information about it and its current value. I can't find anything online about it and hope you can help.

I have a picture of us sitting on it many years ago. My sister is 78, and I'm 70.

Diane, Franklin



Dear Diane,

Your glider was made by The Goshen Manufacturing Company in Goshen, Indiana, and patented as the ROK-O-GLIDER. In the same form and colors, the company

made glider chairs and large platform gliders with facing seats to hold four children.

A two-sister glider just like yours with the original red, green and white paint sold at auction in 2013 for \$190. ROK-O-GLIDER furniture owned by people with polite girl children has survived. You should take a picture of you and sister holding the picture of you seated in the glider.

Dear Connie,

I was hoping you could tell me the value of these two chairs. I only have one of each. I believe the one on the left is a Duncan Phyfe.



The child's roll-top desk was given to me in a used condition around 1967. The outside is in great shape, and the inside has some model paint.

Christine, Dunlap

Dear Christine,

You are correct: The chair with a shield-shaped back, the one on the left, was made in the Duncan Phyfe style in the mid-20th century. It has a vase of flowers on the back and round tapered legs. The chair with a padded seat and back is a bit simpler with shaped wood arms and



turned legs. Both chairs were made around 1945 and would sell for \$50 or less. All wood, well made single chairs appeal to buyers, though, because of their current price. A new generation of nest-builders sees them as a project in simple upholstery or experimenting with a new paint or finish.

Child-sized roll-top desks can sell from as little as \$50 at a tag sale to just more than \$250 with a matching chair in a nice antique shop or mall. The little swivel chair is a plus and worth \$45 even without the desk. Solid oak and labeled sets sell highest. They were popular in the early to mid-1900s.

Connie,

I can't find a date on the horse. The mark on the book-ends looks like "1926 Z.W. Smith." I would like to know the value.

Grace, Centerville

Grace,

A horse-and-horseshoe mantel clock in working order might sell for \$100. If the bronze-wash finish is scuffed or worn to reveal the gray metal underneath, the value is diminished by half. If it doesn't keep time, the value is reduced by half again. Cowboys and riderless horses were popular in Saturday matinee days.



As many baby boomers sell, distribute and donate the mounds of books we've kept since college, our heirs typically choose a few to keep — for always. They have revived the early 1900s custom of figural and artistic formed bookends. Bronze-washed profiles of Abraham Lincoln like yours are selling online for \$18 to \$55 a pair.



Want to learn more about your antiques?



Send your inquiry with photos to the mailing address or email below. Only published appraisals are free. Private appraisals are available for a fee.

Mailing address:

Connie Sue Davenport
P.O. Box 343,
It's Just Stuff! White House, TN 37188

Email: treasures@conniesue.com

Connie Sue Davenport makes her living by appraising houses full of antiques for private clients and at appraisal events hosted by businesses and organizations. Her website, ConnieSue.com, describes these services.

Rated The Nation's Best Gutter Protection



**Over
25 Million
Feet Installed,
ZERO Clogged
Gutters!!!**

- Installs on new or existing gutters.
- Does NOT disturb your roof or shingles.
- Stainless steel micro-filter keeps out ALL debris.
- Low profile system—can't be seen from the ground.
- Lifetime, money back warranty!!!*
*See actual warranty for complete details.

FREE ESTIMATES
1-800-290-6106
www.LeafFilter.com
Promo Number: 143



**No Holes, No Gaps, No Openings
= ZERO CLOGGED GUTTERS**

Senior Discounts Available
TN Home Improvement License# 7656



\$250 OFF	\$100 OFF
Whole House	Any Size Installation
<small>Must present at time of estimate. Not valid with any other offers. 100 ft. minimum.</small>	<small>Must present at time of estimate. Not valid with any other offers.</small>
Offer Expires 10-31-16	Offer Expires 10-31-16

LOW COST Term Life Insurance

Issue ages through 90

AGE	\$100,000	\$250,000
45	12.78	22.75
55	16.19	31.28
65	31.06	68.47

Rates figured on monthly cost for female non-tobacco users

BRANDON RAMLET
(888)770-9110
GLAIC FORM NO. GE-1420

RHINO[®]

STEEL BUILDING SYSTEMS

25 Year Warranty • Easy Bolt-Together Design
Engineered Stamp Blueprints

Farm • Industrial • Commercial
RHINOBLDG.COM 888-875-8233
INFO@RHINOBLDG.COM

25th ANNIVERSARY
PREMIER
BUILDING SYSTEMS, INC.

CUSTOM STEEL BUILDINGS AT ANY SIZE

- ~ AGRICULTURE
- ~ COMMERCIAL
- ~ INDUSTRIAL
- ~ MINI STORAGE

30 x 40 x 10	\$7,499.00
40 x 75 x 12	\$12,999.00
50 x 100 x 12	\$18,799.00
60 x 125 x 12	\$25,999.00
Mini Storage 20' x 100' x 8'-6"	\$7,299.00

Prices subject to change due to loads and codes.

1.800.882.5150
PREMIERBUILDINGS.COM

MANUFACTURED HOME INSURANCE

- Replacement Cost Coverage
- Comprehensive/All Risk
- Nation's Largest MH Insurer
- Most Coverage Available for the Money
- Competitive Rates for Older Homes
- Payment Plans Available
- Licensed in TN & KY

Call for a Free Quote
615-604-4171
www.charlietaylorhousing.com
CHARLIE TAYLOR INSURANCE AGENCY
1326 Hwy 109 So. • Gallatin, TN 37066

BOLT-UP

BUILDING SYSTEMS

We've Got You Covered!
Hay barns, storage buildings, machine sheds, hangars, mini storage facilities, churches, fellowship halls, strip malls, and many more. Big or small, we do it all!

SPECIALS (include one 3070 man door and one framed opening. Freight and tax not included):

SIZE	PRICE
30X50X10	\$8,755
40X60X12	\$12,199
50X75X14	\$18,000
60X100X16	\$27,279

Call Toll Free: 877-464-3130
www.bolt-up.com

WALT'S BUILDINGS, INC.

"Quality... built to last"

- Residential, Agriculture, Commercial • Fully insured
- Garages, Barns, Horse Stables, Equipment & General Storage
- Custom Sizes & many options Available
- All colors by "Valspar" with a 40 year warranty

Contact us today for a FREE ESTIMATE
866-294-8716 (toll free) • 615-666-9258
615-666-9974 (fax)
Email: waltsbuildings@netc.com

www.walts-buildings.com



Point of View

By Robin Conover

"Sunrise at Radnor Lake" by Robin Conover

Canon EOS 6D, 16-35 mm, 2.8 L USM lens,
ISO 200, f27 at 1/50 sec., Gitzo tripod

I love to be outside during the fall. You can literally feel, see and smell the season changing. If you know what to watch for, you can witness a flurry of activity as Mother Nature begins to prepare for the fast-approaching winter months.

The crisp air and cooler temperatures signal the approaching winter as migratory birds begin to arrive from the North. The fog that gives the Great Smoky Mountains their name often rolls in and out as the sun sets and rises.

Dropping temperatures and shorter days signal trees to slow and then stop producing chlorophyll, which makes their leaves green. As the chlorophyll leaches out, the brilliant colors of fall begin to appear.

You will see more wildlife activity wherever there is food to forage. Oak and persimmon trees in particular, with their acorns and sweet fruit, at-

tract deer and bears. The deer rut will also be on soon.

For your best photography opportunities this fall, try to plan your outings based on the time of day and the weather. Early mornings and late afternoons will give you the best chance for dramatic lighting. Oftentimes, there's a stillness at sunrise that enhances reflections in the calm water.

As the sun rises, you may want to move on to other opportunities such as river reflections. The sunlight will bounce off the trees bordering the river, reflecting brilliant colors back onto the water. These conditions beg you to use a polarizer, tripod and slow exposure. Experimenting with shutter speeds can create very interesting abstracts.

Once the sun is overhead, the light can be very contrasty. While you may find a few opportunities, as the strong

sunlight filters through backlighting colorful leaves, harsh midday light often leads to the best time to scout out locations for the golden-hour light at sunset.

Always be on the lookout for light. You never know when the elements will combine to allow you to capture a successful photograph, but if you aren't out there looking for these moments, you'll never find them.

The morning I captured this sunrise was almost too clear. Just as I was about to move on to other options, I noticed a few clouds filtering in from behind me moving toward the lake. I decided to wait a few minutes to see what would happen.

The clouds moved over just in time to catch some light from the sun and meet the fog as it burned off the lake. Within 20 minutes, the scene changed from mediocre to magnificent, and I was lucky enough to see it! ■



Keep your family **comfortable.**

Whatever the weather brings, you'll be ready. Make your home the best it can be. Visit 2eScore.com to find out how energy efficient your home is and what you can do to improve it. With a high eScore you can afford to live comfortably.



Save your energy dollars from slipping through the cracks

You wouldn't walk outdoors during cold winter months without a coat, would you? So why not properly insulate your attic? Sealing and insulating your home to efficient levels can cut your heating and cooling costs by an average of 15 percent. Read energy expert Patrick Keegan's column on page 27 for more information.



Don't watch? Don't pay!

Introducing **Flex Pack**, a skinny bundle with **50+** popular channels.



Want **More?**

Add **Channel Packs** for only **\$10/mo.** each
First Channel Pack **Included!**

National Action Channel Pack

... and many more!

Variety Channel Pack **\$6!**

... and many more!

Kids Channel Pack

... and many more!

News Channel Pack

... and many more!

Locals Channel Pack

... and many more!

FREE **HBO** **CINEMAX** **STARZ** **HD** for life

FOR 3 MONTHS. Offer subject to change based on premium channel availability. Not available with certain packages. Regular monthly prices apply after 3 months unless you call to cancel.

FOR A LIMITED TIME! Add the new **Hopper 3** for only **\$10/mo.** more. Watch and record up to 16 shows at once. Hopper upgrade fee may apply.

SAVE A BUNDLE

DISH TV Service | Internet prices starting at:
+ High-Speed Internet | **\$14.95**

Restrictions apply. Subject to availability.

\$39.99 Per Month

2-Year TV Price GUARANTEE

All offers require credit qualification, 24-month commitment with early termination fee and eAutoPay.

CALL NOW 1-844-867-6512

WWW.INFINITYDISH.COM

WE ARE OPEN 7 DAYS A WEEK; 8 AM - MIDNIGHT EST, SUNDAY 9 AM - MIDNIGHT EST.
OFFER ONLY GOOD FOR NEW DISH SUBSCRIBERS. • SE HABLA ESPAÑOL



All calls with InfinityDISH are monitored and recorded for quality assurance and training purposes. Offer for new and qualifying former customers only. Qualification: Advertised price requires credit qualification and eAutoPay. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends: 10/27/16. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$39.99 advertised price: Flex Pack plus one add-on Pack, HD service fees, and equipment for 1 TV. Available with 2-year price guarantee for additional cost: Programming package upgrades (\$54.99 for AT120+, \$64.99 for AT200, \$74.99 for AT250), monthly fees for additional receivers (\$7 per additional TV, receivers with additional functionality may be \$10-\$15) and monthly DVR service fees (\$10). NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), Protection Plan, and transactional fees. Premium Channels: Subject to credit qualification. After 3 mos., you will be billed \$60/mo. for HBO, Cinemax, Showtime, Starz and DISH Movie Pack unless you call to cancel. Other: All packages, programming, features, and functionality are subject to change without notice. After 6 mos., you will be billed \$8/mo. for Protection Plan unless you call to cancel. After 2 years, then-current everyday prices for all services apply. For business customers, additional monthly fees may apply. Free standard professional installation only. HBO®, Cinemax® and related channels and service marks are the property of Home Box Office, Inc. SHOWTIME is a registered trademark of Showtime Networks Inc., a CBS Company. STARZ and related channels and service marks are property of Starz Entertainment, LLC. Visa® gift card must be requested through your DISH Representative at time of purchase. \$50 Visa® gift card requires activation. You will receive a claim voucher within 3-4 weeks and the voucher must be returned within 30 days. Your Visa® gift card will arrive in approximately 6-8 weeks. InfinityDISH charges a one-time \$49.99 non-refundable processing fee which is subject to change at any time without notice. Indiana C.P.D. Reg. No. T.S. R1903.

