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## Raising spirits

*Craft distilleries boost  
Commonwealth economy*



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The 'roast beast'

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**ON THE COVER**

Vodka distilled by Michael Cocho, a Valley Rural Electric Cooperative member and secretary/treasurer of Moonshine Mine Distillery, sits on a floor-to-ceiling shelf alongside rum, tequila liquor, whiskey and moonshine, to name a few.

Photo by Michael T. Crawford.





## News from across the Commonwealth

### 10-digit area code dialing to become mandatory soon

Voluntary 10-digit dialing for local calling in the 814 area code began in early October, marking the next major step toward the arrival of a new 582 “overlay” area code, which will eventually serve side-by-side with the current 814 area code. The 582 area code will be assigned to new telephone numbers once the available supply of numbers in the current 814 area code is exhausted.

The use of an overlay area code preserves existing phone numbers for residents and businesses in the region, while also ensuring that a supply of new numbers will be available after 814 number combinations are no longer available.

The biggest adjustment for residents and businesses across the region is



the switch to 10-digit dialing, where callers will be required to dial the area code plus the seven-digit telephone number for

all calls. Mandatory 10-digit dialing will begin in the spring of 2021. It is important to double-check devices such as medical alert systems, alarms and any other systems that automatically make calls to be certain they are set up for 10-digit dialing.

If you have questions about the compatibility or programming of a device, contact your equipment or service provider.

### Pennsylvania safeguards 2,224 acres on 25 farms statewide

With an investment of \$5,655,426 in early October through the state’s



Farmland Preservation Program, Pennsylvania safeguarded 2,224 acres on 25 farms in 17 counties. These preserved farms are protected from future residential, commercial or industrial development. According to the Pennsylvania Department of Agriculture, they represent targeted investments in the future of farming and food security in Pennsylvania.

“Pennsylvania farmers have faced tremendous pressure to sell their land for more lucrative ventures,” Agriculture Secretary Russell Redding said. “These farmers have not only resisted that pressure and beat odds that were stacked against them to keep food on our tables, they have guaranteed that their farms will continue to be there to feed us in the future. This investment supports their generosity and dedication to a food-secure future for all of us.”

The 25 farms preserved are in Adams, Berks, Blair, Bucks, Butler, Cambria, Chester, Dauphin, Cum-

berland, Fayette, Lancaster, Lehigh, Northampton, Perry, Potter, Union and York counties. These farms include crop, livestock, nursery, equine, dairy and poultry operations.

Since the program began in 1988, federal, state, county and local governments have purchased permanent easements on 5,781 Pennsylvania farms totaling 589,109 acres.

### Virtual 2021 Farm Show events announced

Pennsylvania Department of Agriculture Secretary Russell Redding is previewing some of the Farm Show favorites and new events to be featured in January.

“Many Pennsylvanians look forward to exhibiting in the Pennsylvania Farm Show all year long,” Redding said. “Although this year’s competitive events look different, what remains is a showcase of the quality and breadth

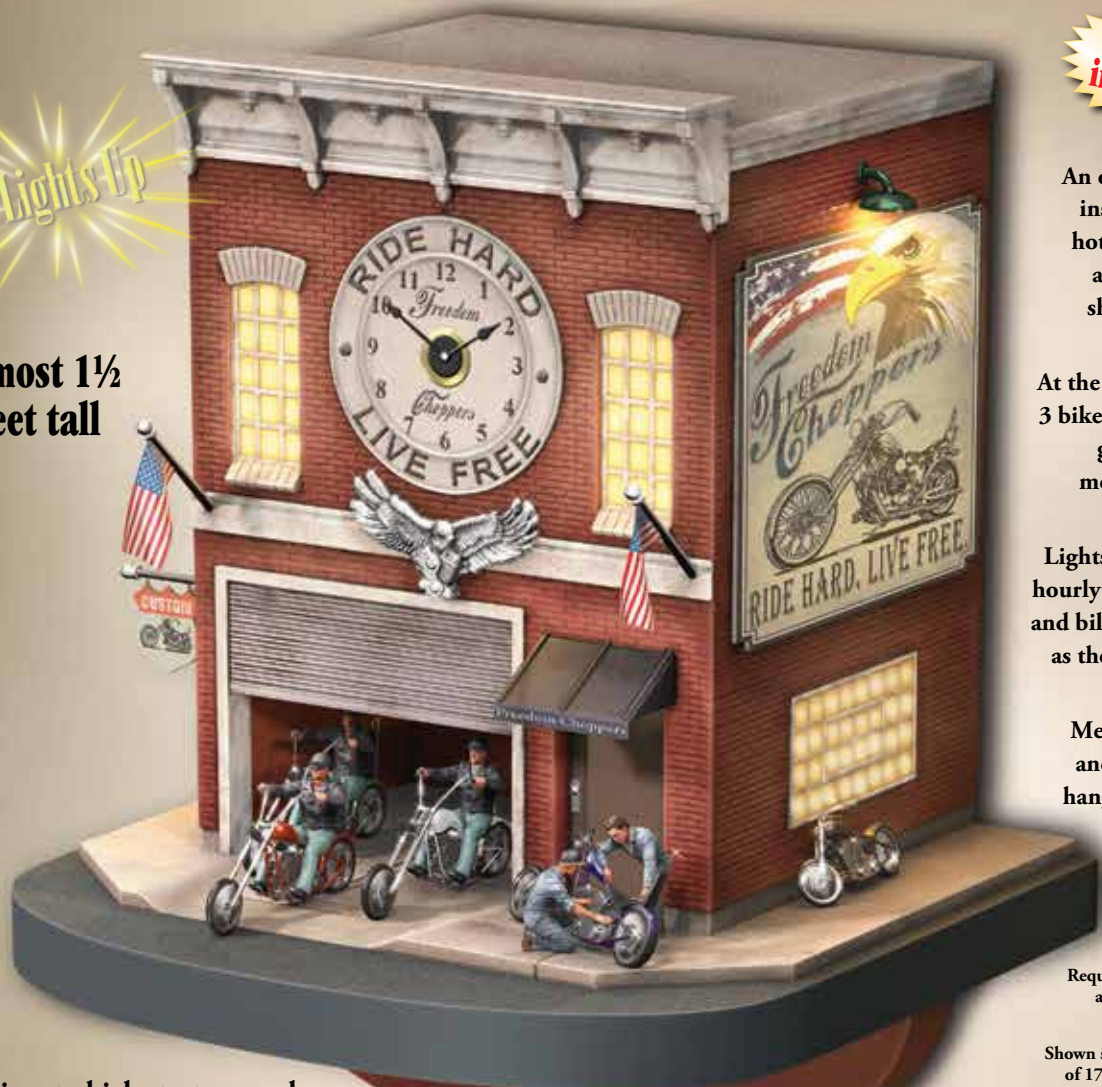
*(continues on page 15)*

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# How to breathe easy about your home's air quality

By Pat Keegan and Brad Thiessen

Sealing air leaks is one of the best ways to make your home more energy efficient, and there are steps you can take to ensure your home has an adequate amount of healthy, fresh air.

The average home loses about half its air volume every hour, so it can be sealed considerably (often at a low cost) and still have more than enough healthy air.

Pollutants are the main cause of poor indoor air quality, and the most dangerous pollutant is carbon monoxide (CO). It can come from furnaces, water heaters or stoves that burn natural gas, propane, or wood and usually occurs in devices that are old, in need of repair, or installed or operated in a manner that prevents clear, unobstructed supply and exhaust of combustion air.

Excessive moisture in the air can also be considered an indoor pollutant because mold and dust mites thrive when relative humidity is above 60%. One sign your home is sealed too well is window condensation, which can happen if moist air doesn't exit the home at an adequate rate.

Pollutants can cause coughing or sneezing, but carbon monoxide can cause headaches, dizziness, nausea, shortness of breath, confusion, blurred vision, or loss of consciousness.

To ensure healthy indoor air as you increase energy efficiency, the first strategy, according to the Environmental Protection Agency (EPA), is to eliminate or reduce the source of pollution. And the first pollutant to eliminate is CO. If you have a combustion furnace, it should be inspected and serviced regularly by a professional. If you have any combustion appliances, it is critical that CO detectors are



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installed and replaced every five to seven years.

If you live in an area with radon (which you can determine by checking out EPA's radon map at [epa.gov](http://epa.gov)), keep it out of your home because it is the second leading cause of lung cancer. Radon tests are not expensive, and your local health authorities can provide more information. If radon levels are too high, you'll need to hire a professional to install a system that will divert radon gas to the outside of your home.

You can also reduce pollutants by never smoking inside, running exhaust fans in your bathrooms and kitchen, storing cleaning and painting products outside and not idling a vehicle in an attached garage.

The second strategy is ventilation. Your home probably has more than enough natural ventilation from outside air leaking into the home. If you suspect this isn't adequate, the best way to know for sure is to hire an energy auditor to do a blower door test.

Many experts recommend sealing the home as tight as possible and using mechanical ventilation to ensure a consistent supply of outside air. The most energy-efficient ventilation system is a heat recovery ventilator, which pulls in fresh air from outside and captures heat from indoor air before it is exhausted to the outside.

The third and final strategy is to clean the air. Change your furnace filter at least once every three months and keep your furnace supply and return air registers free of obstructions. If any rooms do not have an air return, keep the doors open. There are several home air cleaning systems available — some are effective, and some are not.

We hope these suggestions help as you seal air leaks in your home and enjoy fresh, healthy air. 🌞

*This column was co-written by Pat Keegan and Brad Thiessen of Collaborative Efficiency. For more information on how to breathe easier in your home, visit [collaborativeefficiency.com/energytips](http://collaborativeefficiency.com/energytips).*

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“I have had five pairs of expensive hearing aids and MDHearingAids are just as good,” adds retired neurosurgeon Dr. Brian L.

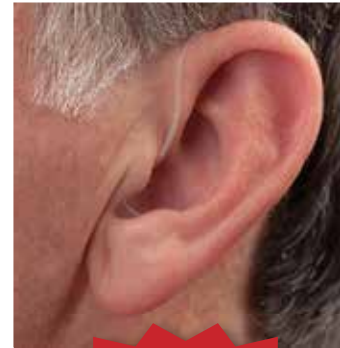
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# Raising spirits

*Craft distilleries boost Commonwealth economy*

By Michael T. Crawford  
Associate Editor



**CHICK IT OUT:** One of Chicken Hill Distillery's best-selling moonshine flavors, "Chicken 'n' Flip Flops," sits on display at the Kersey, Pa., location. The distillery is one of four locations, including one served by United Electric Cooperative in Cook Forest.



Vodka, gin, rum, tequila, whiskey — the list goes on. Some swear by them, some swear because of them, some just swear at them, but whatever your poison, spirits — and the craft distilleries that produce them — bring big bucks to the Commonwealth.

The Pennsylvania Liquor Control Board (PLCB) says wine and spirits drew more than \$2.66 billion in liquor and sales taxes in the 2018-2019 fiscal year, adding more than \$726 million to the state treasury after operating expenses, as well as contributing about \$3.82 million to state Department of Health drug and alcohol programs. The funds diverted to the Department of Health — 2% of the PLCB's net profits from liquor sales — contribute to treatment and rehabilitation of Pennsylvanians with alcohol addiction as well as education, prevention, and intervention efforts to eliminate substance abuse.

According to the Craft Spirits Data Project, led by the American Craft Spirits Association and the International Wine and Spirits Research, Pennsylvania was home to 89 distilleries in 2019, ranking sixth in the nation for most distilleries.

And business is still booming for today's "moonshiners."

"Within the first year, we opened up our first satellite distillery," says Nicole Meyer, part owner of Chicken Hill Distillery in Kersey, Pa., which has a satellite distillery in Cook Forest that is served by DuBois-based United Electric Cooperative. "In two years, we opened another satellite and an outlet store. Being that we're in a rural area, people are traveling more to rural areas now than cities, so that's helped out the 'shine business."

Moonshine — also known as hooch, white lightning, homebrew or mash liquor, among other colorful sobriquets — was originally a slang term for high-proof distilled spirits produced illicitly. Historically, it was made from corn mash in secret, or by the "light of the moon." Modern distilleries and

updated laws have brought moonshine out of the woods and into the light, making it more widely available — and legal. While it harkens back to that backwoods tradition, the term "moonshine" today is more of a catch-all phrase distillers use for unaged white whiskeys.

## Local flavor

Nicole's husband, Dan, opened the distillery with co-owner Chris Kline in June 2018 after getting out of the



PHOTO BY NICOLE MEYER

restaurant business. The owners had an empty building, knowledge of distilling and, fortunately, an area full of local sources of ingredients.

"We try to use as much as we can from local people if it's available," says Dan Meyer, who also owns a construction company. "Our ingredients are all natural. We use local honey from a person that actually has a bee farm right around here. Our sugar maple is from maple syrup from a guy that produces in St. Marys — we actually sell a lot of his other products here, too."

Chicken Hill Distillery features nearly 30 flavors of moonshine — ranging from staple flavors like blackberry or apple pie to some of their more artistic creations such as "Tea Time" or "Chicken 'n' Flip Flops" (a mango-pineapple-berry blend) — but during the early days of the COVID-19

**SATELLITE DISTILLERY:** The Chicken Hill Distillery in Cook Forest, Pa., served by United Electric Cooperative, is one of four locations throughout Elk County.

pandemic's spread through Pennsylvania, Chicken Hill Distillery were blending more than just spirits.

"I can't even tell you how much hand sanitizer we made," Nicole says, recalling the initial run on hand sanitizer that left shelves across the state empty. "It's now dropping off, but in March and April when COVID first hit, we were down there running 18 hours a day bottling sanitizer on top of continuing to distill moonshine."

As COVID-19 cases began rising statewide, state-run Wine and Spirits stores shut down throughout the Commonwealth. But when life hands you lemons, why not make moonshine?

"Our sales increased like crazy," recalls Nicole, who had obtained a waiver from the state to stay open during the height of the pandemic. "We truly lucked out ... as much as I hate to say that, but with the liquor stores closing, that was a huge boost to us. Most of our customers are out-of-towners, tourists, so it really got the locals to come into our place because they weren't able to access what they typically do at the state stores."

Removing the state stores from the

**PROOF POSITIVE:** Michael Cocho tests the alcohol content of a recently distilled bottle of vodka at Moonshine Mine Distillery in Nanty Glo, Pa.

equation, Dan argues, has led to a lot of repeat business.

"I think it opened a lot of people up to the fact that there are a lot of good wineries and good distilleries in this state, and you don't have to go to a liquor store to get your alcohol," Dan says. "We've definitely noticed repeat business come back a lot more now, and I think people are just more apt to [visit] small town businesses — we're not overcrowded, we're nothing major — and they can come in and feel comfortable for a minute."

### Family tradition

That's the goal for Michael Cocho, a member of Huntingdon-based Valley Rural Electric Cooperative and part owner of Moonshine Mine Distillery in Nanty Glo, Pa. Cocho entered the industry with a desire to rekindle a family tradition in 2017 with his son, Michael Cocho II, who serves as president of the distillery.

Moonshine Mine's story dates back more than 120 years when Cocho's grandmother brewed moonshine from a small still.

"My grandmother wasn't a bootlegger," adds Cocho, secretary/treasurer of the distillery. "She made it, and it was something that I'm sure everyone made in 1910 before Prohibition, because they were allowed to make it."



**BARRELING BOURBON:** Michael Cocho, a Valley Rural Electric Cooperative member and secretary/treasurer of Moonshine Mine Distillery, explains the barreling and aging process of bourbon during a tour of the distillery.

To this day, the still rests comfortably atop the distillery's floor-to-ceiling shelves of liquor. While just a conversation starter now, the still symbolizes a family affair that survived Prohibition.

"I remember seeing it in a shed when I was a kid — like, 5 years old — and I didn't even give it any thought to what it was until 15 years later when I started getting interested in making moonshine and wine," recalls Cocho. "To my surprise, she [his mother] dug it out. My mom and my uncle told me how to make it, what to use and what kind of recipes to do."

Cocho and his son brainstorm recipes — everything from bourbon to vodka, rum to tequila — while Cocho's grandchildren help design and affix the labels. All of Cocho's concoctions start as moonshine, he explains, then he lowers the proof based on what he's trying to make. Like the Meyers, the Cochos commit to sourcing their ingredients locally as much as their recipes will allow.

"We buy our corn from Huntingdon County and our rye from the Northern Cambria area," Cocho says. "Our water comes from a spring dug into the side of the hill, and we have it purified to the point where I had the guy from the DEP [Department of Environmental Protection] say it was some of the finest water he's ever seen, so we're not





dealing with chlorine or anything like that.”

Since entering the industry, Cocho has learned that distilling isn't always as simple as just mixing the right ingredients.

“Kind of like champagne, you can only call something rum or tequila if the ingredients come from a certain area,” explains Cocho, who had to rebrand his “Tequila Z” to a tequila liqueur after learning his blue agave needed to come from Mexico. “If you're making rum, you have to get the cane sugar from the Caribbean. If we bought, say, 500 pounds of sugar or molasses from the Caribbean, we'd have to report we bought 500 pounds of sugar and then report how many gallons we made out of it.”

Every gallon of spirit distilled — no matter where it comes from — is subject to a federal excise tax. Distilled spirits generally are taxed at \$13.50 per proof gallon (one liquid gallon that is 50% alcohol), although a lower rate of \$13.34 applies through the end of 2020. According to the Tax Policy Center, alcoholic beverages generated \$10 billion in federal tax revenue in 2019.



**ANOTHER ROUND:** Sharon Stenta, general manager at Chicken Hill Distillery in Kersey, Pa., pours a sample of apple pie-flavored moonshine. The distillery is one of four locations, including one served by United Electric Cooperative in Cook Forest.

### Attention to detail

While the red tape can be tedious, that level of attention to detail is what drives Cocho's distillery.

“It's not something generic and thrown together,” he says. “We want to make our own product, not duplicate what other people do, and we do it all

by hand. We want to do our best to give the public the best they can buy.”

And soon, he hopes, in the best saloon the public can find with the finest local alcohol they can buy.

“We can sell beer, too, but it's got to be stuff that's made in Pennsylvania,” Cocho insists. “We're going to try to buy from local breweries — like the Iron Pint Brewery in Altoona or Coal Country Brewing [in Ebensburg]. And we're going to try and contact Oak Spring Winery [in Altoona] and see about selling their wine here.”

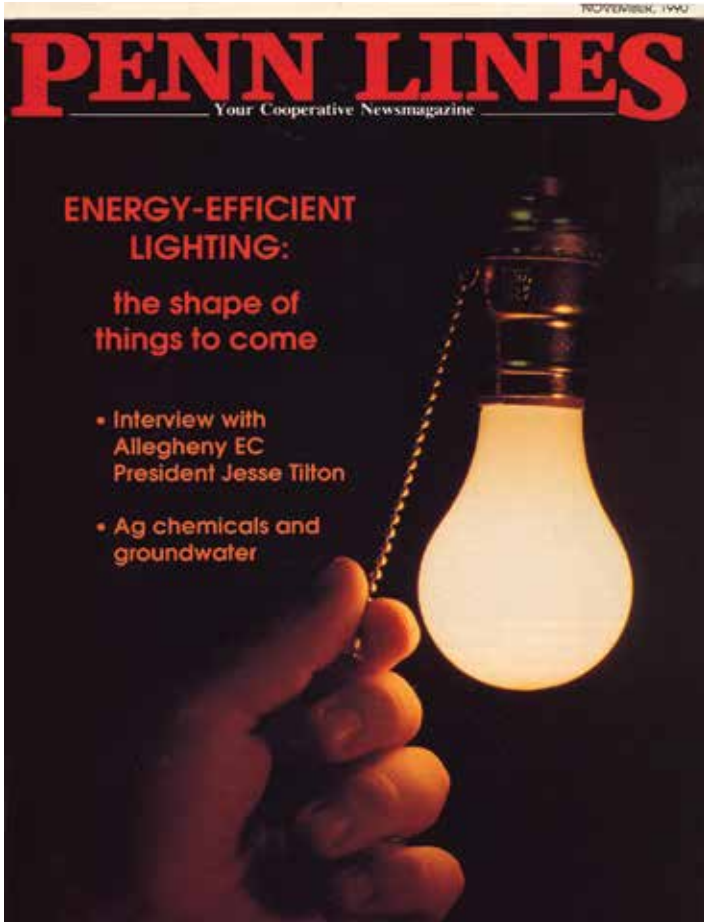
If a time traveler from 1900 winds up in Cocho's saloon — which he hopes to open after he installs some handrails for safety purposes — they would be right at home, finding wormy chestnut tabletops crafted by a local artisan using lumber taken from farms built in that era, and resting upon barrels once used to age the very Pennsylvania straight bourbon made in the next room.

“It gives it an authentic look of something that would have been there back 120 years,” he says. “I want to feel good about having people here, and I want people feeling good about being here. Hopefully, it's something I can pass on to my grandchildren.” 🍷



**TASTING TIME:** The tasting area of Chicken Hill Distillery in Kersey, Pa., waits for customers to sample some of the distillery's nearly 30 flavors of moonshine. Before being converted into a distillery in June 2018, the building was once a restaurant.

Your Newsmagazine Through the Years

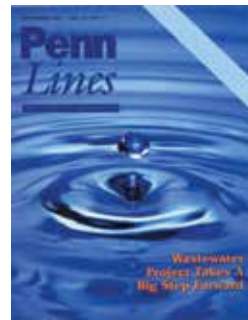


1990



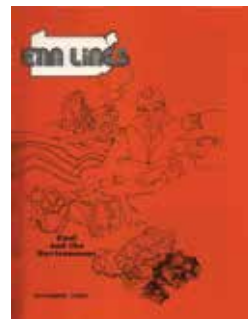
2010

Indiana and Youngsville stand as representatives of revitalization programs as local residents fix sidewalks, build up infrastructure and generate new interest in their “Main Street” communities.



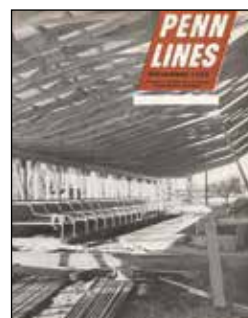
2000

Electric cooperatives address Pennsylvania's rural wastewater crisis because of their long-standing commitment to protecting the interests of rural residents and the environment.



1980

Focusing on the role of coal, this is the first of a series of articles examining the conflict between the environment and the need to supply energy demands while relying less on foreign oil.



1970

A pole barn under construction at the Evan Wilcox Farm near Lander demonstrates a modern, free-stall installation, the latest innovation in the automatic operation of dairy barns.

A new type of energy-efficient lighting becoming more popular in 1990, called compact fluorescent lightbulbs (CFLs), is advertised as having the ability to cut your electric bill \$30 to \$35 during the life of the bulb. CFLs combine the versatility of regular incandescent bulbs with the low-energy consumption of fluorescent lights.

In addition, CFLs eliminate many of the annoying characteristics associated with fluorescent lights: the hum, flicker and harsh, unnatural color.

Better yet, CFLs provide tremendous environmental benefits. Since CFLs don't generate much heat, they last nine times longer (up to 8,000 hours) and use up to 75% less electricity than incandescent bulbs. As a result, one CFL lightbulb over its lifetime can prevent the emission of approximately 500 pounds of air pollutants from coal-fired electric generation facilities.

Today, LED bulbs have taken energy efficiency even further since they cost less, use less energy and last up to 25,000 hours. According to the U.S. Department of Energy, if CFLs offered 25-35% energy savings over traditional bulbs, LEDs cut energy use by 75%. They estimate that by 2027, LED bulbs could save about 348 terawatt-hours of electricity — the annual output of 44 1,000-megawatt electric power plants — which would save more than \$30 billion.



# BE PREPARED FOR A POWER OUTAGE

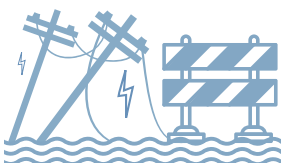
Extended power outages may impact the whole community and the economy.



FEMA

FEMA V-1008/May 2018

A power outage is when the electrical power goes out unexpectedly.



May disrupt communications, water, transportation



May close retail businesses, grocery stores, gas stations, ATMs, banks, and other services



Can cause food spoilage, water contamination



Can prevent use of medical devices

## PROTECT YOURSELF DURING A POWER OUTAGE

Keep freezers and refrigerators closed.



Disconnect appliances and electronics to avoid damage from electrical surges.

Only use generators outdoors and away from windows.



Use alternate plans for refrigerating medicines or power-dependent medical devices.

Do not use a gas stove to heat your home.



If safe, go to an alternate location for heat or cooling.



Check on neighbors.

# REA Energy Cooperative, Inc.

A Touchstone Energy® Cooperative 



One of 14 electric cooperatives  
serving Pennsylvania and New Jersey

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Supervisor of Consumer Services

**Chris Weller**

Load Management Supervisor

**Outages & Emergencies**

1-800-332-7273

724-463-7273

**Office Hours**

Indiana Office: 7 a.m. - 3:30 p.m.

Ebensburg Office:

7 - 11 a.m. and 11:30 a.m. - 3:30 p.m.

Monday - Friday

## From the President & CEO



### Giving back to our community

By Chad Carrick, MBA, CFPC, *President & CEO*

OVER THE years, you've probably heard or read about REA Energy's concern for our community. This is one of the core principles that sets cooperatives apart from other types of utilities and businesses. We've always taken this mission and responsibility to heart. It's who we are as a co-op.

Over the past few months, like so many of you, we've risen to meet new challenges and strengthen the safety net for our community, particularly for those who are most vulnerable. Because of the COVID-19 pandemic, we've made numerous adjustments to programs and operations to maintain business continuity while staying focused on the bigger mission of helping our consumer-members during this turbulent time.

Now, with the holidays fast approaching, these recent events have made me pause and think about the role we play in our community. While our purpose is to provide safe and reliable energy to you, the members we serve, we have a greater mission: to be a catalyst for good.

You're probably aware of our Operation Round-Up program, where we take donations from generous members like you who have "rounded up" the amount due on their electric bill to help our most vulnerable neighbors pay their bills. Or our Youth Tour program, during which we take our community's brightest young people to Washington, D.C., for a weeklong immersion to

experience democracy in action.


We also have a strong commitment to safety — not just for our employees, but for our community as well. We have visited schools to teach children of all ages how to stay safe around electricity. We have held safety demonstrations for first responders.

REA Energy supports the economic development of our communities through an active role in our local chambers of commerce. Currently, I serve as a board member for one of the chambers.

Outside of work, our employees serve on local boards, coach youth sports and volunteer at charitable events. Because when you work at a co-op, you understand how important a strong community is — after all, without you, the co-op wouldn't exist.

We know that our core job is to keep the lights on, but our passion is our community. Because we live and work here, too, we want to make it a better place for all.

If there's anything we can do to help you — whether providing energy-saving advice to help lower your monthly bill or questions about your monthly electric bill — please reach out to us at 724-349-4800.

Concern for community is the heart and soul of who we are. And no matter what the future brings, you can count on your electric co-op to care about you. 



The following article initially appeared in the Aug. 26, 2020, edition of The Indiana Gazette. The story features one of REA Energy's engineering technicians, Tom Fanning, highlighting his participation in a virtual bicycle race. Fanning has been an employee at the cooperative since 1996. Reprinted by permission.

## Man set for virtual 500-mile race

By Jason L. Levan, News Editor, The Indiana Gazette

THIRTY YEARS ago, seasoned long-distance bicyclist Tom Fanning won a 500-mile bike ride throughout upstate New York — the old-fashioned way.

Now, Fanning, who turned 60 last week, is attempting it again, this time virtually from his Indiana home, when he sets off on a 530-mile ultramarathon Saturday morning as a participant in the annual Hoodoo 500. Participants in the real-life race will be riding in the event that starts in St. George, Utah.

Fanning will be using a riding platform called Zwift that allows him to simulate not only the distance of the race but the climbs and descents as well. Zwift is much like a Peloton stationary bicycle, he said, except it's more self-training than coaching.

Fanning has decades of experience with riding long distances, including three attempts to finish the Race Across America, which he did in 1993. He completed the 3,000-mile course from California to Annapolis, Md., in 10 days, 19 hours. That year an Australian won the race in eight days, 20 hours.

The grueling race left him hospitalized on one attempt, thanks to the desert heat. Started in 1982, the Race Across America is one of the longest annual endurance races in the world.

For the Hoodoo 500, Fanning figures he'll be competing against a dozen or so other virtual riders in his age group, and he expects to finish in about 30 hours.

He'll have to check in every 80 to 90 miles, either via text message or email, with his position on the virtual course, which he chose because it has the 30,000 feet of climb required. That includes 2-mile stretches of nothing but uphill riding, he said.

This attempt will be very different, though, because Fanning won't have to battle weather conditions, and he can take quick bathroom or snack breaks as his avatar coasts down some of the long descents, so he'll still be on the clock.

"This will be a little easier," he said, though just to be on the bike that long will be difficult.

The scenery is realistic through the Zwift platform, he said, and he can even chat with other virtual riders — "People you wouldn't get to meet in real life, but you have something in common with."

He has done some practice laps on the stationary bike



PHOTO BY KYLEE SURIKE / INDIANA GAZETTE

PREP TIME: Bicyclist and REA Energy engineering technician Tom Fanning, 60, prepares for a virtual ride in the Hoodoo 500, a 530-mile ultramarathon, at his home in Indiana, Pa.

to get familiar with the course, and on Tuesday, he joined riders in Australia for an 18-mile charity ride.

Saturday's race — which will stretch into Sunday — is also for a good cause. He intends to raise money for No Kid Hungry, a nonprofit that provides summertime and after-school meals for children in need. He chose the charity after considerable research, he said, and after seeing children go hungry when he lived in the inner-city. And, in the midst of the coronavirus pandemic, that need is greater than ever, he said.

"I think it's a great idea."

Donations to No Kid Hungry can be made at [guidestar.org](http://guidestar.org). To follow Fanning's progress, go to [hoodoo500.com](http://hoodoo500.com). 🌟

# UNDERSTANDING THE SEVEN COOPERATIVE PRINCIPLES

Cooperatives around the world operate according to the same set of core principles and values, adopted by the International Co-operative Alliance.

These principles are a key reason why America's electric cooperatives operate differently from other electric utilities, putting the needs of our members first.



## VOLUNTARY AND OPEN MEMBERSHIP

Membership in a cooperative is open to all people who can reasonably use its services and stand willing to accept the responsibilities of membership, regardless of race, religion, gender or economic circumstances.



## DEMOCRATIC MEMBER CONTROL

Cooperatives are democratic organizations controlled by their members, who actively participate in setting policies and making decisions. Representatives (directors/trustees) are elected among members and are accountable to them. In primary cooperatives, members have equal voting rights (one member, one vote); cooperatives at other levels are organized in a democratic manner.



## MEMBERS' ECONOMIC PARTICIPATION

Members contribute equitably to, and democratically control, the capital of their cooperative. At least part of that capital remains the common property of the cooperative. Members allocate surpluses for any or all of the following purposes: developing the cooperative; setting up reserves; benefiting members in proportion to their transactions with the cooperative; and supporting other activities approved by the membership.



## AUTONOMY AND INDEPENDENCE

Cooperatives are autonomous, self-help organizations controlled by their members. If they enter into agreements with other organizations, including governments, or raise capital from external sources, they do so on terms that ensure democratic control as well as their unique identity.



## EDUCATION, TRAINING AND INFORMATION

Education and training for members, elected representatives (directors/trustees), CEOs and employees help them effectively contribute to the development of their cooperatives. Communications about the nature and benefits of cooperatives, particularly with the general public and opinion leaders, help boost cooperative understanding.



## COOPERATION AMONG COOPERATIVES

By working together through local, national, regional and international structures, cooperatives improve services, bolster local economies and deal more effectively with social and community needs.



## CONCERN FOR COMMUNITY

Cooperatives work for the sustainable development of their communities through policies supported by the membership.

THESE ARE  
THE WORDS  
WE LIVE BY.







## BENEFITS OF TREE TRIMMING

Clearing trees and overgrown vegetation is vital to provide safe, reliable power to our consumer-members.

We clear certain areas in our service territory, known as rights of way, to:

- Keep power lines clear of tree limbs
- Restore power outages more quickly
- Keep crews and members of our community safe
- Reduce unexpected costs for repairs

Vegetation management improves service reliability for you - our members!

**REA Energy will be closed Wednesday, Nov. 11, 2020, in observance of Veterans Day and Thursday, Nov. 26, 2020, in observance of Thanksgiving. Please call 724-463-7273 or 800-332-7273 to report any power outages. Payments can be placed in the drop box at both locations, or via our online Member Portal at [reaenergy.com](http://reaenergy.com).**

### Right-of-way management/facility construction news

REA Energy contractors will be completing tree-trimming work in the following areas in November:

- Contractor crews from Penn Line Tree Service will be trimming the rights-of-way of the Fairview and Georgeville Substation areas, in addition to emergency maintenance areas.

Notification of work will be made to members in the areas affected. Contractors will perform all right-of-way work per REA Energy specifications. All contractor employees will carry employee identification cards, and their vehicles will display their company name.

If you have any questions, call 724-349-4800 or view the specifications at [reaenergy.com](http://reaenergy.com).

## Your Board of Directors



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District 3



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District 8



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District 2

*REA Energy is an equal opportunity provider and employer.*

# Is a heat pump right for my home?

By Pat Keegan and Brad Thiessen

If you're thinking about installing a new heat pump in your home, there are a few things you may want to consider.

The two most common types of heat pumps — a ductless fan system in lieu of baseboard heaters, and a system that blows through furnace vents — are often good options for your home.

Replacing your electric baseboard heaters with a ductless mini-split heat pump is a good solution because older baseboard heaters are typically inefficient. The mini-split system has a compressor outside that is connected with refrigerant lines to the blowers inside. A ductless system can serve up to four zones, so it can heat a small home or can be used in combination with another heating system in a larger home. The ductless mini-split system is a great option for a home that does not have a duct system, or if the existing duct system is inefficient or poorly designed.

Replacing your central heating and air conditioning (HVAC) system with a central system air-source heat pump puts the system's compressor outside and connects to the home's duct system to distribute cold or warm air through the existing vents. The central system heat pump can be an efficient option if your existing duct system is in good shape.

A less common type of heat pump is a ground-source, or geothermal, system that taps into heat that's naturally underground year-round. Geothermal systems are typically an expensive investment, but they are quite efficient.

Heat pumps are typically much more efficient than electric resistance



MARCELA GARA, RESOURCE MEDIA

**INSTALLATION:** Heat pumps are efficient options in most climates, even for new construction.

systems and can be a solid solution in a wide variety of circumstances. They can be the right choice in a manufactured home, a construction addition or as a replacement for a broken or inefficient HVAC system. They're also becoming more popular for central heating in new construction.

Here's how heat pumps work: During winter, they pull warmth from the outside air into the home; during summer, the process is reversed and warmth from inside the home is exhausted outside. It may seem odd that warmth can be found in outdoor winter air, but heat pumps are amazing inventions. They've become much more efficient in recent years to the point that they can be effective year-

*(continues on page 15)*



PETER STEVENS

**OUTDOOR OPTION:** An air-source heat pump compressor located outside the house can distribute hot and cold air through your existing duct system.



## TECH TRENDS

(continued from page 14)

round in most cold winter climates.

The efficiency of a heat pump is measured in two ways: The HSPF (Heating Season Performance Factor) rating measures heating efficiency, and the SEER (Seasonal Energy Efficiency Ratio) rating measures cooling efficiency. The minimum ratings for a heat pump are HSPF 8.2 and SEER 14. Heat pumps with the Energy Star® rating are significantly more efficient than the minimum standard.

Here's how to know if you should consider a heat pump for your home:

**Want to save money?** If you are currently heating your home with electric resistance or propane or heating oil, and you seal air leaks and install additional insulation, installing an efficient heat pump could reduce your heating costs by up to 75%. And if you are currently cooling your home with an old A/C system or window A/C units, you could also cut your cooling costs.

**Want heating and cooling flexibility?** A ductless mini-split heat pump can serve up to four individual zones or rooms, and each room's temperature can be controlled separately.

**Want safer heat?** Heat pumps eliminate the need to burn fuels inside your home and exhaust combustion gases. There's no risk of carbon monoxide or gas leaks that can come from flaws in a system that runs on natural gas, propane, fuel oil or wood.

Before you consider installing any new heating and cooling system in your home, I strongly suggest you conduct an energy audit. Your electric co-op may provide energy audits or be able to recommend a local professional.

As with any major home improvements or installations, be sure to get a few quotes and references *before* committing or making any payments. 🌱

*This column was co-written by Pat Keegan and Brad Thiessen of Collaborative Efficiency. For more information on heat pumps, please visit [collaborativeefficiency.com/energytips](http://collaborativeefficiency.com/energytips).*

## KEEPING CURRENT

(continued from page 4)

of Pennsylvania's agriculture industry and those who make it thrive."

The virtual 2021 Pennsylvania Farm Show is scheduled to take place from Jan. 9-16, 2021, and will be presented through a variety of live and prerecorded events, as well as an online resource library. The show will include, but not be limited to:

- ▶ A traditional 1,000-pound butter sculpture;
- ▶ Live duckling and beehive cams available 24/7;
- ▶ PA Preferred® Culinary Connection cooking and beverage-pairing demonstrations (with ingredients provided in advance so Pennsylvanians can cook along with chefs);
- ▶ Daily, live-action demonstrations, from Angora-Palooza to tractor pulls, for family fun entertainment; and
- ▶ Evening bedtime stories for young, aspiring agriculturalists.

The virtual Farm Show will also hold the following competitive events:

- ▶ Agriculture education
- ▶ Apiary
- ▶ Beer
- ▶ Christmas trees
- ▶ Corn and small grains
- ▶ Family living
- ▶ Junior market cattle
- ▶ Maple syrup
- ▶ Mushrooms
- ▶ Potatoes
- ▶ Vegetables
- ▶ Wine
- ▶ Wool

In addition to these Farm Show staples, new opportunities will include a coloring contest, educational video contest, public speaking contest and additional Skill-a-thon contests.

Every competition will have modified rules and regulations to effectively protect against COVID-19. Competitors are encouraged to review the rules and regulations prior to entering, as they feature changes to classes, registration requirements, entry deadlines, and method of getting items to the Farm Show Complex.



## PGC partnering with deer hunters

The Pennsylvania Game Commission (PGC) is offering a chronic wasting disease (CWD) hotline where hunters with questions about where CWD is, what special rules apply in those places, how to handle deer they harvest in Disease Management Areas (DMAs) and more can quickly and easily get information. The commission can be contacted at 1-833-INFOCWD (1-833-463-6293) or [infocwd@pa.gov](mailto:infocwd@pa.gov).

Hunters who harvest a deer within a DMA can drop its head in one of many collection bins. PGC officials will test it for CWD free of charge.

In addition to the hotline and email, there's a free Pennsylvania Game Commission app (downloadable from the Apple app store or Google Play). Those without the app can access the same information from the commission's CWD site online at [pgcdatacollection.pa.gov/CWDResultsLookup](http://pgcdatacollection.pa.gov/CWDResultsLookup). 🌱

# Monitoring the Line for Reliability

Electric co-ops use a variety of monitoring and automation technologies that improve power reliability, shorten outage times and reduce labor time for crews. Here are four technologies we use to improve reliability.



## Drones

Drones may be used to inspect the power lines we maintain. Drones can provide infrared evaluation to locate hot spots on power lines and vegetation assessment to locate trees and other vegetation that can cause outages.

## Power Sensors

Power sensors typically clamp on or connect to the power line and provide near real-time reporting on power, voltage, current and more - all of which helps to provide more reliable energy to consumer-members.



## AMI

Advanced metering infrastructure (AMI) provides real-time data to the co-op. In addition to meter reading, this data helps us detect faults and other potential problems on the electrical system, resulting in increased power reliability for consumer-members.



## Reclosers

A recloser acts like a circuit breaker for power lines. When a problem occurs, the recloser temporarily shuts off power. If the problem is temporary, the recloser restores power. (This is why you sometimes see the power blink.) If the problem persists, the recloser will shut off power until a crew can make repairs. The recloser's antenna provides wireless, real-time data back to the co-op.





# All hail the ‘roast beast’

By Mitchell Kyd

“News from the Path Valley Hotel”

It’s “roast beast” season again! Home-cured ham, freshly dressed turkey and venison roast could all be on the menu with the promise of another family favorite — leftovers! For a lot of us, our holiday spread will come directly from farm or woods to table, no Styrofoam required.

It’s another beautiful thing about rural living; we know where our food originates. Even if we are a few generations removed from our hunter and gatherer pasts, we’re not too far gone to understand and appreciate the source of our abundance.

Out here, we know chocolate milk does not come from brown cows, and unlike my college roommate, we’ve always known white milk is not vanilla. We understand that you can’t say you don’t eat pork and then ask for bacon on your sandwich, or question why you can’t plant pickles and skip the cukes.

We’re also blessed with an abundance of great cooks. That usually starts with a strategist who knows exactly how to cut and trim the makings of a feast to best advantage. Then the alchemist steps in. Whether gifted at birth or a faithful student of tradition, the alchemist knows exactly what potions to blend and magic to conjure to coax out every last trickle of flavor. Add the artist’s flair for a glaze and garnish and watch a platter of protein transformed into legend.

Sadly, not every cook succeeds at every meal, and I clearly remember my first solo turkey. It’s a complicated thing, right? A lot of ways to get it wrong? It’s not that hard to overlook



a little giblet packet tucked inside the bird before it all gets roasted.

Even my mom, cook extraordinaire, fessed up to an occasional glitch across her lifetime, like the little hiccup with dessert. In a young bride’s quest to delight her hubby, she tackled a home-made raisin pie. I’m sure her crust was flaky, fluted and browned to perfection. It always was. But she had somehow missed the step where you must plump the raisins before baking. As the story goes, Dad enjoyed the whole pie, probably swimming in milk. In pursuit of a long and happy marriage, he let months go by before admitting it was a lot like eating buckshot.

There are times when even the greatest cooks must surely face challenges. I remember wondering how you would cook badger when I found it in my fridge, as one example. My brother-in-law had been house-sitting while we honeymooned, and I came home to the usual remnants of a bachelor’s occupation: pizza boxes, empty cans and a few dirty plates under the sofa. I also found a wad of butcher paper balled up in the fridge with the words “Badger Meatloaf” scrawled across it.

Some time had passed before I discovered it, and by then the chunk inside was sprouting green fuzzies. I lobbed it into the woods as possum fodder, but not before asking my husband if badgers were native to Pennsylvania. Apparently, he hadn’t found that question worth noting because the topic never came up again. For years.

It wasn’t until we had kids and were gathered in his dad’s kitchen that I guaranteed badger meatloaf would become one of those remember-the-time-when stories. Conversation came around to PawPaw’s generous neighbors and their frequent gifts of home-cooked meals and breads. I must have blurted out my big “ah-ha!” the instant I made the connection. The mystery meatloaf had come from those great neighbors — Tom and Helen Badger. The moral of this story? You endear yourself to in-laws when they laugh with you at your expense.

Thanksgiving is almost here, so laugh a little, and create some family stories. No matter what you’re serving — ham, wild game or TurDuckEn from the fryer — take a moment to honor the roast beast. Then thank a farmer, a feed mill, a butcher and the cook. It’s always good to be reminded of the many founders of our feasts. 🍗



**YVONNE BUTTS-MITCHELL** writes and blogs ([deadmousediaries.com](http://deadmousediaries.com)) under the pen name Mitchell Kyd. The “News from the Path Valley Hotel” series was inspired by her encounters with contractors, critters and assorted creepy crawlies while rehabbing her family cabin after its 17-year stint as a giant closet.

# The great soup debate

By Janette Hess

Some soup aficionados crave the hot, deeply flavored treat year-round. Others confine their consumption to cold-weather months. Either way, everyone can agree that now is the perfect time to make soup.

A bit more hearty than traditional Italian minestrone, Winter Minestrone gets its flavor boost from bacon, roasted garlic and fire-roasted tomatoes. The addition of a parmesan cheese rind to the cooking pot gives this minestrone unparalleled richness.

Savory and just a bit spicy, Tex-Mex Soup features a traditional combination of pork, potatoes, black beans, and corn. Green enchilada sauce ties it all together. Simple Smokey Chili relies on fire-roasted tomatoes and smoked paprika for its distinctive taste. Canned pumpkin functions as a surprising thickener — and gives a nod to the season. ☀



A trained journalist, **Janette Hess** focuses her writing on interesting people and interesting foods. She is a Master Food Volunteer with her local extension service and enjoys collecting, testing and sharing recipes.

## Winter Minestrone

- 4 strips thick bacon, cut into small pieces
- 1 onion, chopped
- 2 stalks celery, thinly sliced
- 2 teaspoons roasted garlic (from a jar)
- 1 28-ounce can diced fire-roasted tomatoes
- 4 cups vegetable broth
- 1 cup water
- 3 carrots, diced
- 2 bay leaves
- 1 tablespoon dried parsley
- 1/2 teaspoon each dried thyme, oregano and basil
- 1 8-ounce wedge parmesan cheese
- 1 can dark red kidney beans
- 1/2 cup ditalini pasta or other small pasta
- Salt (up to 1/2 teaspoon) and freshly ground pepper to taste

In large, heavy soup pot, cook bacon until crisp. Leave bacon and 1 tablespoon drippings in pot. Add onion and celery; simmer for 10 minutes. Add garlic during last minute. Add tomatoes, broth, water, carrots and seasonings. Cut rind from parmesan wedge and add to pot. Cover and simmer until carrots are soft. Add water. Bring mixture to a boil and add beans and pasta. Reduce heat to medium and cook until pasta is soft, about 10 minutes. Discard parmesan rind and bay leaves. Serve with freshly grated parmesan cheese. Makes 12 generous cups.

## Tex-Mex Soup

- 1 pound trimmed pork loin or roast, cut into small cubes (about 2 cups)
- 2 tablespoons taco seasoning mix, divided
- 4 teaspoons vegetable oil
- 1 medium onion, chopped
- 1 red bell pepper, seeded and chopped
- 3 cloves garlic, minced
- 1 10-ounce can green enchilada sauce
- 1 10-ounce can diced mild tomatoes with green chilies
- 4 cups low-sodium chicken broth
- 3 medium russet potatoes
- 1 teaspoon ground cumin
- 1 15-ounce can black beans, rinsed and drained
- 2 cups frozen corn
- Salt to taste
- Chopped fresh cilantro and grated cheese for garnish

Using spatula or clean fingertips, work taco seasoning into pork; let rest for 15 minutes. Heat oil over medium heat in large, heavy soup pot. Brown pork cubes in hot oil for 8 to 10 minutes, stirring occasionally. Add onion and bell pepper. Sauté for 5 minutes, adding garlic during last minute of cooking. Add enchilada sauce, tomatoes and broth. Bring mixture to boil, reduce heat and simmer for 15 minutes. Peel potatoes. Cut 2 1/2 potatoes into small cubes; grate remaining potato with fine grater. Add all potatoes to pot. Simmer over low heat for 45 to 55 minutes or until pork and potatoes are tender. Add beans and corn. Simmer an additional 10 minutes and add salt, if needed. Makes 12 generous cups.

## Simple Smokey Chili

- 1 pound lean ground beef
- 1 large onion, chopped
- 1 28-ounce can fire-roasted diced tomatoes
- 1 cup canned pumpkin
- 3 cups water
- 2 beef bouillon cubes
- 2 generous tablespoons smoked paprika
- 1 1/2 teaspoons chili powder
- 1 teaspoon ground cumin
- 1 can kidney beans, rinsed and drained
- 1 can black beans, rinsed and drained

Brown ground beef in heavy soup pot. Drain if needed. Add onion. Continue to cook and stir until onion softens. Add tomatoes, pumpkin, water, bouillon cubes and spices. Bring to boil. Reduce heat and simmer until bouillon is dissolved. Add beans. Simmer on very low heat until flavors have blended. Add up to 1 cup more water as needed to achieve desired thickness. Makes approximately 10 cups.





# How to select a bathroom vent fan

By James Dulley

**Dear Jim:** My old bathroom vent fan sounds like a low-flying jet, and it does not draw well. I need a new quiet one that is also efficient. What features are best for a new bathroom fan? — *Paul J.*

**Dear Paul:** Some inexpensive bathroom vent fans are noisy right out of the box. If your old fan was quiet years ago, you may be able to repair it. Remove the cover and unplug it. Clean out all the dust and tighten all the screws. Just a loose screw or two can create an annoying, loud sound.

Bathroom fan rebuilding kits are available for many of the economy fans that builders often install. A kit costs less than \$50 and takes only about 15 minutes to install. It includes a new quiet-design motor, multiple motor plates to adapt to many models, and an updated grille. The fan can be as much as 50% quieter.

If you decide you really need a new bathroom fan, there are some ultra-quiet ones available. Most of these fans have all the newest features for both convenience and energy conservation. You can expect to pay up to several hundred dollars for this type of fan.

Before you start looking at new bathroom fans, it is important to select the proper cfm (cubic feet per minute of air flow) size. A fan with a lower cfm rating is generally quieter than a larger one with the same design and features. The sound level should be listed somewhere on the packaging. Ones with a 6-inch duct, instead of a standard 4-inch one, are usually quieter.

If you select a bathroom fan that is too small, it may not be able to vent the excess moisture or odors fast enough, if at all. If one is too large, it will be noisier, waste electricity and draw out



excessive conditioned room air.

A general guideline by Home Ventilating Institute ([hvi.org](http://hvi.org)) is 1.1 cfm of air flow capacity is needed for each square foot of bathroom floor area. When comparing vent fan efficiencies, Energy Star ([energystar.gov](http://energystar.gov)) recommends a small fan should remove a minimum of 1.4 cfm/watt and a larger fan (90 cfm and larger) must remove twice that much per watt.

You also have to decide what basic design of bathroom fan you need: fan only, fan/light, fan/light/heater, or fan/light/night light. Each has its advantages, and the prices vary significantly. You will also find various fan controls, such as a simple on/off wall switch and motion- or humidity-sensing.

Bathroom vent fans that use humidity-sensing controls are effective and efficient. These come on automatically at a high humidity level — after showering, for example — and shut off automatically. This is ideal for a child's bathroom because they tend to forget to turn it off. These models also include

manual controls so you can switch them on and off at will.

For the most convenience and efficiency, select one with a multispeed fan motor, a built-in LED light, and a motion/humidity sensor. If the moisture level is not excessively high, the motion sensor will start the fan when you enter the bathroom and stop it when you leave. The shutoff delay time after you leave the room is adjustable, but it may stay on longer if the humidity sensor tells it to stay on.

The quietest option is an efficient in-line vent fan motor that is located in the attic and vents outdoors. Ducts from the powerful fan can run to two separate inlet grilles, such as one over the sink and one over the bathtub. It is compatible with any type of sensor and control. ☀



Have a question for Jim? Send inquiries to **James Dulley**, Penn Lines, 6906 Royalgreen Drive, Cincinnati, OH 45244 or visit [www.dulley.com](http://www.dulley.com).

# Classified Advertisements

<b>ISSUE MONTH</b>	<b>AD DEADLINE</b>
January 2021	November 16
February 2021	December 17
March 2021	January 18

**Penn Lines** classified advertisements reach nearly 166,000 rural Pennsylvania households! Please note ads must be received by the due date to be included in the requested issue month. Ads received beyond the due date will run in the next available issue. Written notice of changes and cancellations must be received 30 days prior to the issue month. Classified ads will not be accepted by phone, fax or email. For more information please contact Michelle M. Smith at 717-233-5704.

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- Non-members** should submit name, address, phone number, and email address, if applicable.
- Month(s)** in which the ad is to run.
- Ad copy** as it is to appear in the publication.
- Heading** ad should appear under, or name of special heading (additional fee). See below for FREE heading options.

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### Ad in all CAPITAL letters:

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Editor

DATE: 9-15-20

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# How can napping be dangerous if it's just 'accidentally falling asleep?'

By Earl Pitts, American

**Y**ou know what makes me sick? You know what makes me so mad I just wanna throw sand in the Sandman's eyes ... and then when he's incapacitated, throw him off a bridge?

It's this here new researchin' story they got out there about takin' a nap. These pointdexter science dweebs say takin' a nap longer than two hours is dangerous to your health. Yeah, sleepin' is good. Too much napttime is bad. That don't make no sense, does it? Isn't nappin' the same as sleepin'? In handy, convenient lengths?

My better half Pearl was tellin' me about this nappin' story last night, and I go, "I don't know why you're tellin' me this, woman. I have never took a nap in my whole life."

Well, she rolled her eyes into the back of her head so hard, I thought she was goin' full *Children of the Corn* on me. She says, "Please, Earl ... you fall asleep in your recliner in the middle of *Wheel of Fortune*. You sleep in the car when I'm drivin' — like a little baby in a car seat. You've nodded off at the kitchen table."

And I says, "Exactly my point, Pearl. I have never took a nap in my life. I 'accidentally fall asleep' all the time."

Oh yeah, there is a difference between takin' a nap and accidentally fallin' asleep. First off, most people who take a nap will lay down in their beds. You can accidentally fall asleep anywhere. In your recliner, in your better half's car. In church. At work. A kid's ball game. Junior Meeker accidentally fell asleep bass fishin' one time. Rolled right off his boat into

Mudd Lake. Which — thankfully — woke him up.

Plus, when people take a nap, they prepare to take a nap. They actually say to themselves, "I'm gonna take a nap." Might take the wallet out of their jeans. Make sure they go to the bathroom. Get comfortable. When you accidentally fall asleep, you have no idea it's comin'. You think you're just gonna rest your eyes, and the next thing you know ... it's 45 minutes later, and you got drool on your shirt. What happened?

Wake up, America! I don't know ... Pearl might have continued the conversation, but I can't be sure. I kind of dozed off. I'm Earl Pitts, American.

**Y**eah, I don't know if you heard this, but they've gone and canceled the Macy's Thanksgiving Day parade. No doubt this is devastatin' news to young children, simple-minded adults and Al Roker fans everywhere.

I'm beginnin' to think this pandemic is finally throwin' out a few favors. On account of — let me flat out tell you — I hate parades.

I mean, there are several things about this year I miss. The Duck Inn. The county fair. Baseball games. And plenty others, too.

The one thing I do not miss: parades. And I don't mind people gettin' together to march down Main Street. I ain't no marchin' band Scrooge. It's just in the little one-horse, po-dunk town where we live, they got too dang many of them. I mean, these people will throw a parade at the drop of a hat.

And a small-town parade must look the same in every small town you go to. There's the store manager of the local grocery store sittin' on a hay bale in the back of a Ford pickup. "Hey, Phil, over here! Wow, I haven't seen Phil since ... well, this mornin' when I went to get milk."

And you got to go to a small-town parade if you got kids — they're gonna be in it! Your kids will be in the town parade from the first year they can walk 'til the time they move out. In fact, the reason most kids leave little towns is they're tired of bein' in parades. My kids was in the parade for Cub Scouts, soccer, Little League, science club, marchin' band, 4-H, you name it. My little girl Sandra Dee was in the parade three times ... at the back ... where they put all the kids that weren't in anything else. "Look, there's Sandra Dee!" "Where?"

Wake up, America! Yeah, so I ain't gonna miss the Macy's Thanksgiving Day Parade. That's just a bigger small-town parade. With balloon animals and one of the judges from *The Voice*. Thanks Macy's, but it was gonna be a hard pass anyway. I'm Earl Pitts, American. ☀



Social commentary from **Earl Pitts** — a.k.a. GARY BURBANK, a nationally syndicated radio personality — can be heard on the following radio stations that cover electric cooperative service territories in Pennsylvania: WANB-FM 103.1 Pittsburgh;

WARM-AM 590 Wilkes-Barre/Scranton; WIOO-AM 1000 Carlisle; WEEO-AM 1480 Shippensburg; WMTZ-FM 96.5 Johnstown; WQBR-FM 99.9/92.7 McElhattan; WLMI-FM 103.9 Kane; and WVNW-FM 96.7 Burnham-Lewistown. You can also find him at earlpittsamerican.com.

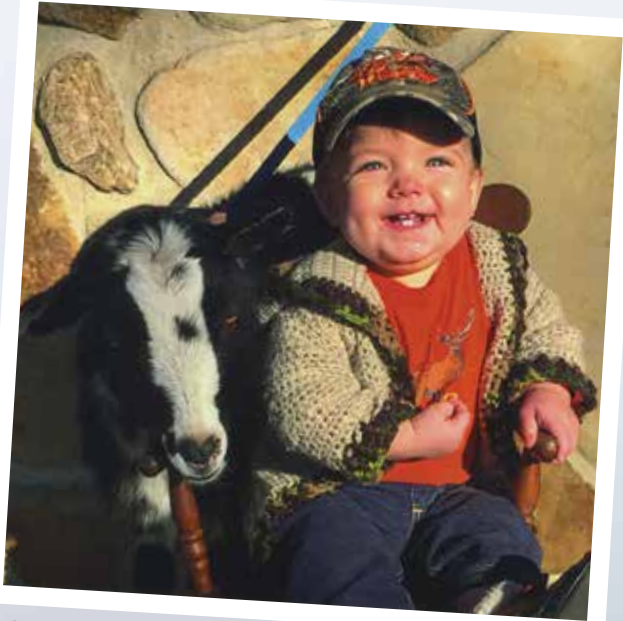


## Thank you

We want to thank all of the amateur photographers who submitted photos for the 2020 “Rural Reflections” contest, which is now closed. Winners, chosen by an independent panel of judges, will be printed in the January and February issues of *Penn Lines*.

We are now accepting photos for the 2021 contest. If your photo wins top honors, you could receive a \$75 prize in one of five categories: artistic, landscape, human subject, animal and editor’s choice. Runners-up in each category will receive a \$25 prize.

Send photos (no digital files, please) to: *Penn Lines* Photos, P.O. Box 1266, Harrisburg, PA 17108-1266. Include your name, address, phone number, and the name of the electric cooperative serving your home, business, or seasonal residence. Our publication deadlines require us to work ahead, so send your photos in early. Photos will be returned if a self-addressed, stamped envelope is included. 📧



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Offer for new and qualifying former customers only. Important Terms and Conditions:

Qualification: Advertised price requires credit qualification and 24-month commitment. Upfront activation and/or receiver upgrade fees may apply based on credit qualification. Offer ends 1/13/21. 2-Year Commitment: Early termination fee of \$20/mo. remaining applies if you cancel early. Included in 2-year price guarantee at \$59.99 advertised price: America's Top 120 programming package, local channels, HD service fees, and Hopper Duo Smart DVR for 1 TV. Included in 2-year price guarantee for additional cost: Programming package upgrades (\$74.99 for AT120+, \$84.99 for AT200, \$94.99 for AT250), monthly fees for upgraded or additional receivers (\$5-\$7 per additional TV, receivers with additional functionality may be \$10-\$15). Regional Sports: RSN Surcharge up to \$3/mo. applies to AT120+ and higher packages and varies based on location. NOT included in 2-year price guarantee or advertised price (and subject to change): Taxes & surcharges, add-on programming (including premium channels), DISH Protect, and transactional fees. Premium Channels: 3 Mos. Free: After 3 mos., you will be billed \$30/mo. for Showtime, Starz, and DISH Movie Pack unless you call or go online to cancel. Remote: The DISH Voice Remote with the Google Assistant requires internet-connected Hopper, Joey, or Wally device. Customer must press Voice Remote button to activate feature. The Google Assistant Smart Home features require Google account and compatible devices. Google is a trademark of Google LLC. Other: Netflix streaming membership required. All packages, programming, features, and functionality and all prices and fees not included in price lock are subject to change without notice. After 6 mos., if selected, you will be billed \$9.99/mo. for DISH Protect Silver 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. Indiana C.P.D Reg. No. - 19-08615. ©2020 GoDISH.com. All rights reserved. Internet speeds, prices, and providers vary by customer address. \$40 price refers to widely available plan from multiple providers. Restrictions apply. Nationwide availability of 25 Mbps plan is subject to change without notice. The application of "Unlimited Data with no Hard Data Limits" varies by provider, but commonly mean that your access to the internet will not be stopped by going over a data limit, but that speeds may be lowered. Call for details. Internet not provided by DISH and will be billed separately.