

Perennial NEWS

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INSIDE THIS ISSUE

Welcome to Perennial, Matthew!

Matthew Moffitt is Perennial's newest General Manager.

Winter Weather Is Here Again

Here are some things to watch out for this season as cold weather hits.

Energy for Generations
PERENNIAL
PUBLIC POWER DISTRICT

Let Me Introduce Myself



Matthew Moffitt
General Manager

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I want to take a moment to personally introduce myself to you. My name is Matthew Moffitt, I am the new General Manager here at Perennial Public Power District. I was born and raised in a small town in Northwest Missouri, and I am humbled to be given the opportunity to serve a community close to my family. In the past twenty or so years I have been fortunate enough to obtain a diverse background within the electric utility industry, ranging from Journeyman Lineman to Manager of Engineering to Vice President of Operations. The aforementioned positions have taken my family and I on a journey from Missouri to Iowa, Colorado, Nevada, and Kentucky. Speaking of family, for the past eighteen years, my wife Gentry has been by my side on this incredible journey. Along the way we added two children; Charlie and Cori. They are excited to have the opportunity to spend



Incoming General Manager Matthew Moffitt stands with his wife, Gentry, and their two children - Cori and Charlie.



Matthew as a lineman.

more time with their grandparents in Missouri.

I am extremely appreciative and honored to work with Perennial's employees, board of directors, and customers to continue moving forward by providing safe and reliable energy for generations. From day one, I have been impressed by the level of knowledge, professionalism, and genuine dedication the employees and board of directors at Perennial bring to the district. I also want to mention, the district's customers and community have been very welcoming to my family and I. You all have a very special community and district that you should be very proud of, the least I can do is say

thank you for your support!

I look forward to meeting many of you; please stop by the office and say hello!

Cyndi Bedient Retires

February 1, 2022 will mark the end of a forty year career at Perennial Public Power District for Financial Accountant, Cyndi Bedient. What began as a stop at the former York County RPPD office to sign up for electrical service became a job interview, and as they say, "the rest is history". "Thanks, Tim Charlton for taking a chance on me."

In the early years, Cyndi greeted folks at the front desk of District headquarters, where she came to know many of the customers by name. Of course, in those days rural customers were reading their own meters and many came in personally to pay monthly bills. Job responsibilities in billing, customer service, and eventually accounting followed offering new challenges and experiences. And then there were the storms...listening to the radio as the crews worked in blinding snow and wind and that crazy derecho back in 1993 that had almost every customer in York and Filmore County without power. Those times were always tough knowing that the line crews were working

feverishly, often in terrible conditions, to get those last customers back on.

When asked what she enjoyed most about her time at Perennial, Cyndi didn't hesitate to say it was being part of a team of honest, hard-working people. "Some of these folks have been my friends and co-workers for four decades, others have come and gone but still left their mark on my heart. I couldn't have asked for better."

So, what does retirement hold? For Cyndi, it means more time with her four children and nine grandchildren. She also wants to travel, learn new things, get better at other things and most of all, remember to be grateful for her many blessings.



Cyndi Bedient

Jared Hain hired as new Financial Accountant



Jared with his wife Elizabeth, and their two daughters, Layna and Bryn.

Jared Hain was hired on November 15, 2021, as the Financial Accountant. He will be taking over Cyndi Bedient's responsibilities after she retires on February 1, 2022.

Hain attended high school at Aquinas Catholic in David City, Nebraska. After graduating, he went on to receive a Bachelor's in Finance from the University of Nebraska-Lincoln. Jared lives in York with his wife Elizabeth, they have two daughters, Layna and Brynn. In his free time, he enjoys following the Huskers, golfing, and spending time with his family.

Please help us welcome Jared to Perennial.



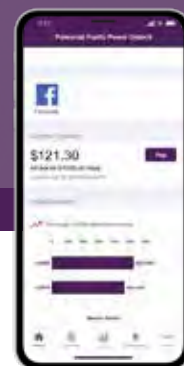
INTRODUCING SMARTHUB

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Mother Nature's wrath can



ICE ON POWER LINES IS A WEIGHTY SUBJECT



When it comes to getting electricity across power lines and into homes, ice can be a force to be reckoned with.

ICE ON DISTRIBUTION LINES

Ice can quickly lead to broken power poles and other pole equipment. Ice can also make falling tree branches 30x heavier and much more likely to break power lines.



ON A 300-FOOT SPAN OF 1-INCH-THICK POWER LINES

- 1/2 inch of ice adds 281 pounds of weight
- 1 inch of ice adds 749 pounds of weight
- 2 inches of ice adds 2,248 pounds of weight

WHEN ICE MELTS

Melting ice can cause power outages. If ice on the bottom (neutral) line melts before the lines above, it can cause the lines to touch.

OTHER ICE FACTS

- Damage can begin when ice exceeds 1/4 of an inch
- 1/2 inch of ice can cause a line to sag up to 12 inches
- Pressure can also be caused by a broken tree limb
- Both ice and melting ice can cause power outages



Source: Jerri Imgarten-Whitley and Victory Electric Cooperative

Although we work hard to maintain our equipment, monitor power delivery 24/7, and do all we can to keep the lights on, there are circumstances beyond our control that can interfere with power delivery. Winter weather is one example. Winter storms can impact electricity distribution due to ice, heavy winds, sleet, and other extreme conditions.

Regardless of the reason, know that when the lights go out — even during extreme weather — we are doing all we can to safely and efficiently restore power. In fact, our mission statement is to provide a level of service that promotes customer confidence and energy for generations.

Along with causing outages, wintry conditions can cause hiccups with power delivery that include blinking lights or ebbs and flows in the amount of power that comes into your home. Although blinking lights can be a symptom of other problems such as loose wiring connections or overloaded circuits, they can also be caused by extreme weather conditions.

Wintery conditions include:

Ice/freezing rain: Ice accumulation on power lines makes them heavy. One-half an inch of ice can add as much as 500 pounds to a power line. This added weight can impact power distribution and even bring down a power line. Ice that forms on power lines also increases its surface area, which means gusts of wind have more to catch. The weight of ice on tree limbs can also cause them to fall on power lines.

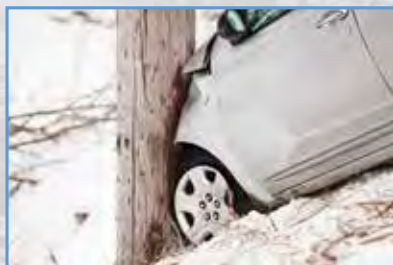
Melting ice: Melting ice can be extremely heavy, putting extra strain on power lines and causing the lines to touch or rest on one another. Because of this, melting ice can cause outages even though the temperature is rising. Depending on conditions, melting ice can cause as many or more problems than the ice itself.

mean service disruptions

Wind: Wind can cause tree branches to brush power lines, resulting in blinking or flickering lights. This is why it's essential for us to keep trees cleared around power lines and poles. In addition, heavy winds (or extreme wind plus ice) can cause lines to move and sway. If they gain enough momentum, they can gallop or jump. This, in turn, can cause disruptions in service since the extreme motion can cause lines to either break or make contact with each other, which they are not meant to do.

Wind or ice + tree branches: In any weather condition (or even in calm conditions), **tree-related issues cause the most power outages** in many service areas. Branches, limbs, or even tree trunks can fall into power lines and cause problems. Add wind, freezing rain, or ice to the mix for an increased potential for problems.

Icy Roads: Vehicles sliding on ice or that collide with one another can strike a power pole or pad-mounted transformer, causing an outage or other problems.



Blizzards: Heavy snowfall, icy roads, or reduced visibility can make it a little more difficult for our crews to get out and fix problems, although we do all we can to get out there to address service issues as soon as possible.

Be sure to have a storm preparedness kit ready before a storm strikes to help get you and your family through a power outage. Items to gather include bottled water, non-perishable food, blankets, warm clothing, hand sanitizer, first aid kit/medicine, flashlight, radio, backup phone chargers, extra batteries, and toiletries.

To learn more about preparing for storms and electrical safety, go to SafeElectricity.org.

Winter Weather CAN BRING POWER LINES DOWN



Stay Where You Are

You've just been in an accident involving a downed power line. Your first instinct might be to get out and run, but that could cost you your life. In most cases, the safest place to be is inside your car or truck. Wait there until electric utility workers deenergize the power. If your car is on fire or you see smoke, escape as safely as possible by making a clean, solid jump out and hop away with both feet together as far as you can. Warn others not to approach the scene.

DID YOU KNOW

- That downed power lines are extremely dangerous and even deadly?
- The current could spread throughout the ground and anything touching the ground?
- Stray voltage spreads like ripples on a pond?
- If you step from one "ripple" (voltage) to another you could be electrocuted?
- Downed lines could be hiding under standing water, ice or debris?

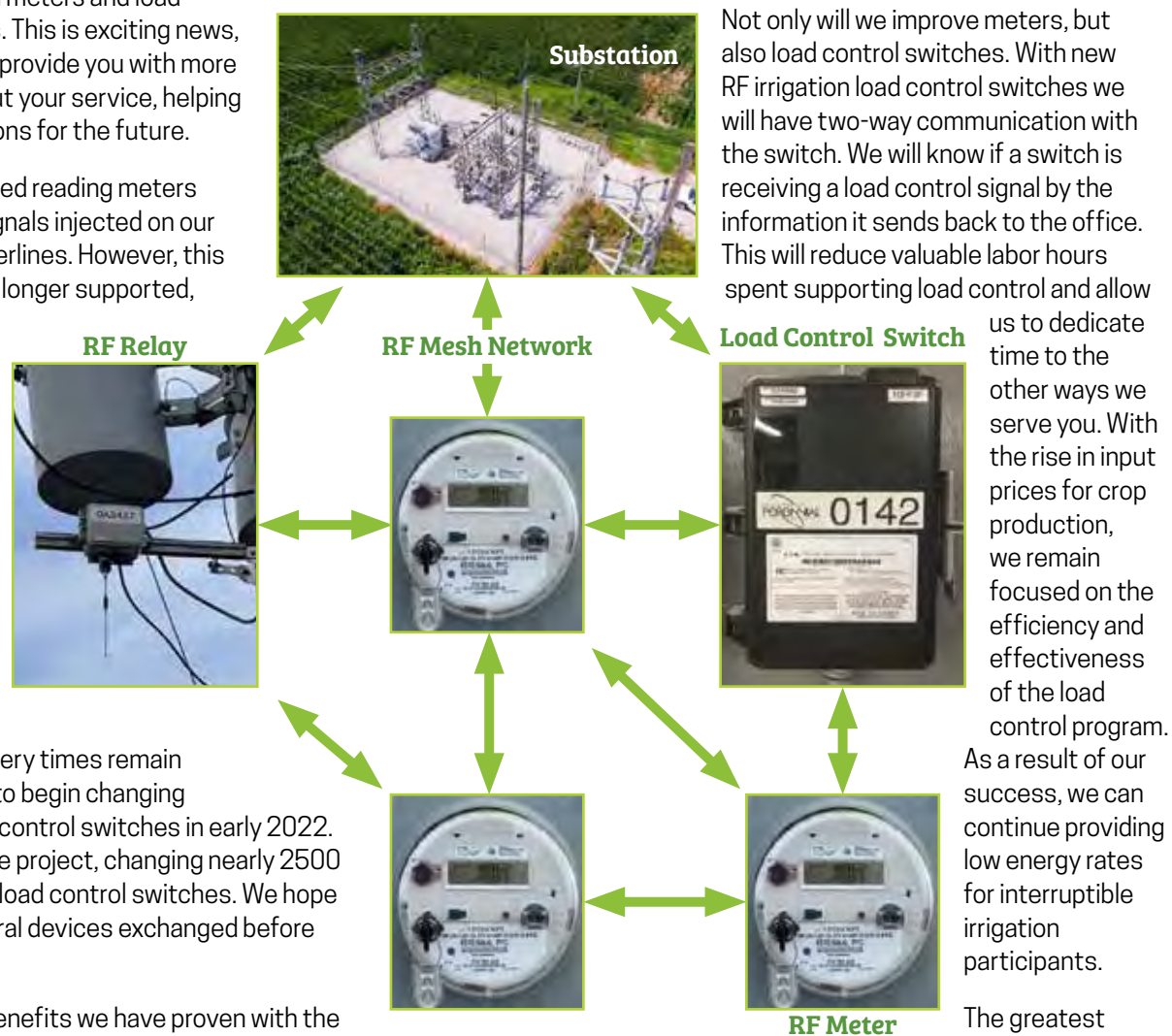
Perennial advances technology for our everyday

Even in the face of supply chain issues, we continue to find better ways to serve our customers through new Radio Frequency (RF) mesh technology. This RF technology is the communication medium that allow us to collect more information from meters and load control switches. This is exciting news, because we can provide you with more information about your service, helping you make decisions for the future.

In 2006 we started reading meters remotely with signals injected on our distribution powerlines. However, this technology is no longer supported, outdated, and is limiting the level of service we can provide to you. This past September the Board of Directors took action to procure RF meters and load control switches. If delivery times remain true, we expect to begin changing meters and load control switches in early 2022. This will be a large project, changing nearly 2500 meters and 800 load control switches. We hope to have all the rural devices exchanged before mid-June 2022.

One of the key benefits we have proven with the RF meters is automatic outage notification. When your RF meter experiences a complete power loss it will report it to our Outage Management System (OMS). In turn, OMS notifies our on-call crew or Operations personnel. This improves how quickly we can respond to outages. Even though this RF communication happens within seconds, we

would still like to hear from you by phone, Facebook, or the SmartHub App. While RF meters will provide us with more energy data, they cannot replace valuable information about the outage you may have experienced.



Not only will we improve meters, but also load control switches. With new RF irrigation load control switches we will have two-way communication with the switch. We will know if a switch is receiving a load control signal by the information it sends back to the office. This will reduce valuable labor hours spent supporting load control and allow

us to dedicate time to the other ways we serve you. With the rise in input prices for crop production, we remain focused on the efficiency and effectiveness of the load control program.

As a result of our success, we can continue providing low energy rates for interruptible irrigation participants.

The greatest way we serve

you isn't with the technology, but through the teamwork of our employees. Working together for your benefit and future generations.

Brandon Lehman
Manager of Engineering

2022 EnergyWiseSM Incentive Programs

With the start of the New Year, it's time again to think about New Year's resolutions. This is the perfect time to reflect on your energy efficiency. Perennial offers various energy efficiency incentive programs to help you kick off the new year. Participation in our 2021 EnergyWise incentive programs will provide opportunities to use less energy, spend less money and do more!

Residential Incentives

Heat Pump Water Heater

- Air source heat pump water heaters with an efficiency factor greater than 1.9.\$400
- Ground source heat pump water heaters with an efficiency factor greater than 2.8..... \$650

High Efficiency Heat Pumps

The following air source heat pump incentives are available for homeowners:

- Air Source Heat Pump up to \$1,200
- Ductless Mini-Split Air Source Heat Pump up to \$1,200

The following water or ground source heat pump incentives are available for home owners:

- Any EER..... \$2,400
- 35+ EER, 5.0+ COP in GLHP-partial load column on AHRI or Energy Star Certificate..... \$3,300

* AHRI or Energy Star Certificates are required for all installations. If not provided, the maximum incentive is \$100.

* Heat pump verification application must be completed on all units.

* Low Interest Loan from the Nebraska Energy Office is available.

Cooling System Tune-Up

Available to homeowners who have their cooling system (heat pump or air conditioner) tuned up..... \$30

Smart Thermostat

Available to homeowners who a smart thermostat in their home.....\$100

Residential Attic Insulation

Available to all residential homeowners who add additional attic insulation. An incentive of \$0.15/square foot with a maximum incentive of \$300 per existing residential dwelling.

Lawn and Garden

Available to all residential homeowners who purchase a new battery powered or corded electric lawn mower..... 20% purchase price

Induction Cooktop

Available to all residential homeowners who purchase a new 30" wide induction cooktop or range..... 20% purchase price

Electric Vehicle Incentives

Available to all residential homeowners.

Electric Vehicle and ChargePoint Charging Station.....	\$4,500
ChargePoint Charging Station	\$500
Pre-Wiring For Home Charging Station	\$200-\$400

Agricultural Incentives

Hog Heating Mat

Incentive amount:	\$40 - \$80
▪ Mat >12" x 36" but < 24" x 36"	\$40
▪ Mat >24" x 36".....	\$80

Corner Pivot Variable Frequency Drive

Incentives are available for new and existing all-electric irrigation corner systems with pump motors of 20 horsepower and larger. An incentive of \$18 per rated VFD horsepower will help offset the investment.

Prescriptive Irrigation Program

This incentive will pay up to \$500 for refurbishing all primary outlets on a system. Pivots must be four spans or longer and at least five years must have past since the last time the pivot was refurbished to qualify for this incentive. Irrigator will be required to provide old and new sprinkler charts for verification.

Customer Irrigation Pump Efficiency

Incentives are available to any eligible electric irrigation pumping account holder for refurbishing/replacing inefficient pumps 20 horsepower or greater. Additional incentive that covers the cost of pump efficiency tests up to \$350. This incentive is designed to provide customers with financial incentives to help assess irrigation system performance and improve efficiency.

Customer Agriculture Incentive

Incentive for agricultural energy efficiency improvements, as approved by the utility that are not covered by other EnergyWiseSM programs.

Commercial/Industrial Incentives

Commercial rebates are available, please visit www.perennialpower.com or contact the office for more information.

If you have any questions or would like more information, please contact:

Perennial Public Power District
Courtney Giesenhagen
402-362-3355 or 800-289-0288
E-mail: perennial@perennialpower.com

Return of Your Money

In 2022 you will continue to see a small decrease in the total price of your electric bills. The reduction will be the result of a change in the Production Cost Adjustment (PCA) rate credit that we will apply to the kilowatt-hours that you purchase each month. PCA is a mechanism that allows for the truing-up of the difference between the cost of producing and transmitting electricity, and the revenue generated from the sale of electricity. Recently Perennial's power supplier, Nebraska Public Power District (NPPD), has received more revenue from the operation of its power plants and transmission system than what it cost to operate those facilities, and NPPD has returned some of the excess revenue to Perennial and other wholesale customers. At their September meeting, Perennial's board of directors voted to pass the PCA credit on to you. After all, it's your money.



Seal Those Leaky Windows

About 30 percent of a home's heating energy is lost through inefficient windows. Caulk and weatherstrip windows to seal air leaks. When running your home heating system, lock all operable windows to ensure the tightest seal possible.

Source: Dept. of Energy

GENERATOR *Safety*

Avoid deadly backfeed and keep linemen safe.

Learn how to **safely connect** to your portable generator at:

 **Safe
Electricity.org**

