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EMERGENCY POWER OUTAGES
To report a power outage, please call 800-933-7362. We are available to serve you 24 hours a day.

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Energy Advisor
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Communications and Marketing
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Manager of Engineering and Construction
Kenny Kill
System Engineer
Ray Burns
Tree Trimming and Spraying

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ENERGY EFFICIENCY TIP

When it's warm out, avoid using the oven. Try cooking on the stove, using the microwave or grilling outside instead.

— U.S. DEPARTMENT OF ENERGY

Keep yourself and crews safe



Working with electricity can be a dangerous job, especially for lineworkers. Line repairers and installers are consistently ranked among the most dangerous jobs in the U.S. That's why for Noble REMC, safety is the number one priority. This is not empty talk. Over time, we have created a culture of putting our crews' safety and that of the community above all else.

Our mission is to provide safe, reliable and affordable energy to you, our members. Yes, we strive to deliver affordable and reliable electricity to you, but equally important, we want our employees to return home safely to their loved ones. This requires ongoing focus, dedication, vigilance – and your help!

DISTRACTIONS CAN BE DEADLY

While we appreciate your kindness and interest in the work of our crews, we ask that you stay back and let them focus on their task at hand. Even routine work has the potential to be dangerous, and it takes their full attention and that of their colleagues, who are also responsible for the team's safety. Distractions can have deadly consequences. If a lineworker is on or near your property during a power outage, for vegetation management or for routine maintenance, please allow him ample room to work. These small accommodations help protect our crews – and you.

If you have a dog, try to keep it indoors or secured outdoors while lineworkers are

The safety of the public and our lineworkers is priority number one at Noble REMC. We appreciate your help to achieve this goal.

on or near your property. While most dogs are friendly, some are defensive of their territory and can't distinguish between a burglar and a utility worker. Our crews work best without a pet "supervising" the job.

We recognize that for your family's safety, you want to make sure only authorized workers are on or near your property. You will recognize Noble REMC employees by their uniform, which bears their name and our logo, and the service trucks with our name and logo on them. You may also recognize our lineworkers because they live right here in our local community.

SLOW DOWN AND MOVE OVER

In addition to giving lineworkers some space while they are near your property, we also ask that you move over or slow down when approaching a utility vehicle on the side of the road. This is an extra barrier of safety to help those who help all of us.

RON RAYPOLE
President/CEO

Annual Meeting Snaps



Clown Daisy May paints a little girl's face at the picnic.



This young man has a blast enjoying the bounce house at the event.

Meeting Recap

Noble REMC held its annual meeting and picnic June 1, where members elected Jay Wysong to represent District 1. He takes over the board seat previously held by Bob Lortie. Lortie recently retired from the board after building a home outside of the district.

Incumbent Directors Rick Robertson (District 2) and Doug Burnworth (District 8), who ran unopposed, were re-elected to their seats.

In his address, CEO Ron Raypole emphasized the cooperative's continued innovation in investigating rural broadband, constructing a solar array in partnership with our power provider and staying connected to members through mobile apps and social media.

With about 2,000 in attendance, members viewed several displays from Energy Advisor Brian Hawk, including an onsite electric vehicle. Attendees were also provided

information on how to earn cash back through our POWER MOVES® energy-efficiency program.

Wabash Valley Power Alliance, our power supplier, provided information about Co-op Solar, our community solar program, and Indiana Connection hosted a booth with information about the magazine.

Several local organizations participated in the event, including Chain O'Lakes State Park, Noble County Sheriff's Department, Noble County Extension Service, Noble County Public Library, Drug Free Noble County, Mid-America Windmill Museum, Noble County Convention & Visitors Bureau and the Gene Stratton-Porter Historical Society.

The Time Travelers entertained the crowd with live music, and children enjoyed activities provided by clowns, bounce houses and Indiana Wild's exotic animals. Children also received free IDs, courtesy of the Ligonier Police Department.

MEET YOUR NEW DIRECTOR

JAY WYSONG

Represents:

District 1, which includes Perry and Elkhart townships in Noble County and part of Benton Township in Elkhart County



Occupation:

Owner and operator of Wysong Partners, which focuses on grain production, and Prime Care Ag, which is a farrow-to-swine production operation

Local participation: Member of Cosperville Baptist Church, where he previously served as its youth director and currently serves on multiple boards

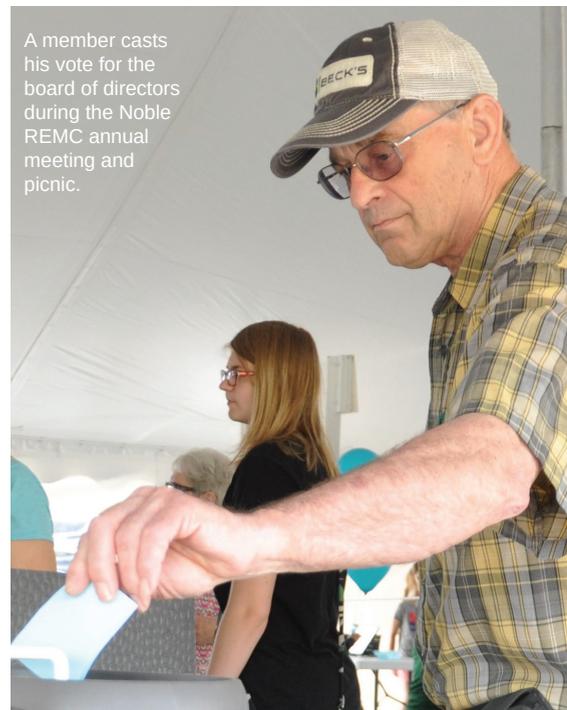
Family: He and his wife, Sandy, have two children and five grandchildren.

shots

Members enjoy day dedicated to them



Energy Advisor Brian Hawk speaks to a member about the electric vehicle on display.



A member casts his vote for the board of directors during the Noble REMC annual meeting and picnic.



The Central Noble High School Choir sings the National Anthem to open the business meeting.



An REMC member smiles as he tries his hand at looking the part of a line worker.

REMC engineer publishes paper

Though only six pages, Noble REMC System Engineer Kenny Kill's recently published paper isn't light reading.

"Time Series Analysis Improves System Planning and Operations" outlines how large data sets can now be managed and analyzed by a new platform called the Distributed Engineering Workstation — DEW, for short — to plan for transmission, sub-transmission and distribution networks.

Even the summary can seem like a lot to process.

But for Kill, it's the future for how cooperatives will maintain and take care of their distribution systems. Many already have the structure in place, after installing automated metering infrastructure which collects and communicates data directly to the co-op. Using this data with the new DEW software, electric cooperatives can see beyond meters, to analyze line loss, transformer loading, voltage data and distribution configuration.

"It's cool to me," Kill said. "I think it's something that's going to happen. It will be the standard in 10-20 years."

The paper, which he co-wrote with Krista Kotur, PE, National Information Solutions Cooperative (NISC), and Mark Leyo, PE, Electrical Distribution Design, shows how cooperatives can be proactive in managing and operating their distribution systems through data analysis.

"The goal is to present actionable information daily to engineering or operating personnel without daily intervention," the paper states.

Kill became involved with the program when it was still in beta testing in 2017, running it beside the traditional system until he transitioned exclusively to DEW.

Noble REMC used it to analyze whether it could maintain adequate voltage during the air conditioning and irrigation season if there was a transmission outage for a rebuild

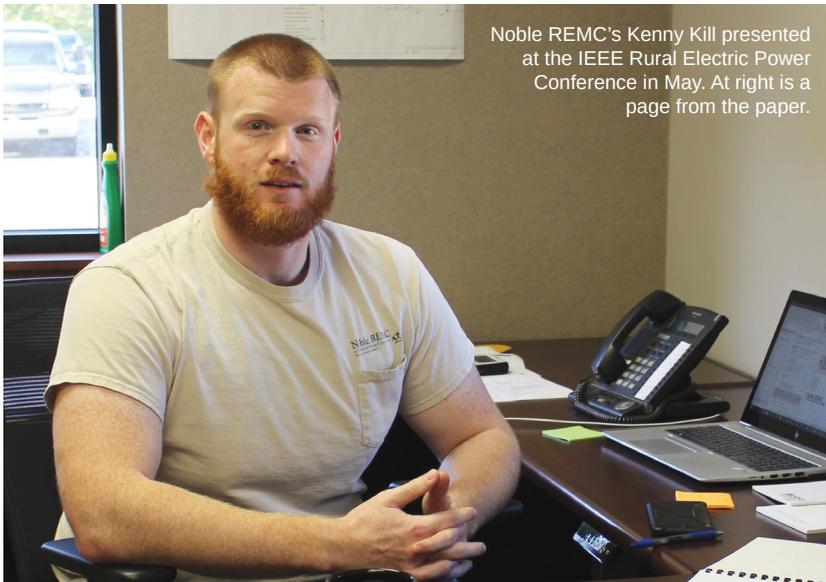
project. It also used the software to see what the peak output from the LaOtto Solar Generating Station would be on a typical, sunny day.

Seeing the software as a step in the right direction for cooperatives, Kill wrote the paper for those in "the community," other engineers like himself, to raise awareness for what's to come.

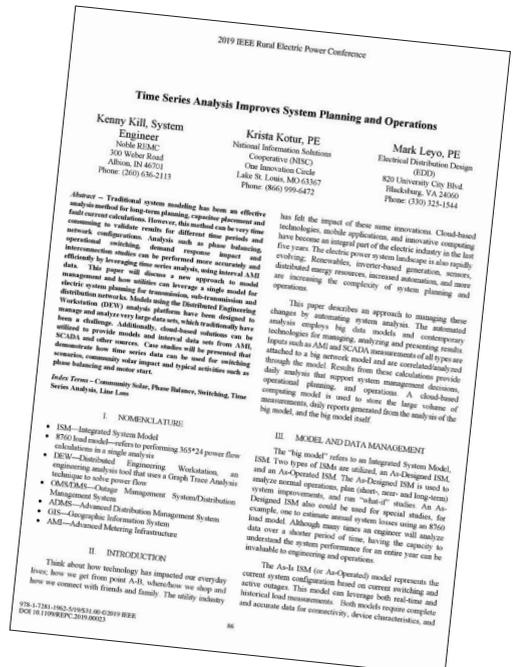
He, Kotur and Leyo began writing about the software in the fall of 2018 and finished it that winter. The group, minus Leyo, presented its findings and publication at the 2019 IEEE Rural Electric Power Conference in May, receiving a lot of positive feedback from their peers.

But Kill's biggest fan doesn't belong to the electric industry.

"I gave it to my mom, and she pinned it to the refrigerator at her house," Kill said with a smirk. "It's one paper in a technical journal, not The New York Times, but I'm happy with it."



Noble REMC's Kenny Kill presented at the IEEE Rural Electric Power Conference in May. At right is a page from the paper.



Ask the energy advisor



By Brian Hawk

With the summer season finally upon us, many of you are beginning to use and enjoy your pools. As with anything around the home, maintenance and breakdowns are going to happen.

When this happens to your pool pump, you should consider replacing your standard single-speed pool pump with a variable speed driven, ENERGY STAR®-rated pool pump.

The return on investment will be seen on different timelines depending on the size of your pool, but will ultimately be worth it regardless of size. For instance, an above ground pool at 24-feet round and 4-feet deep holds

13,600 gallons of water and can see savings of around \$65 per pool season (about 120 days of operation). In that same time frame, a pool that is 28-feet round and 54-inches deep holds 20,800 gallons of water and can see savings of around \$100.

Fun fact: According to the pump affinity law, when you cut the motor speed in half, the flow rate is also reduced to half, but the power consumption of the pool pump is reduced to one-eighth of the original draw.

The reason the payback is not as quick with a smaller pool is the upfront cost of a variable speed pool pump. Through a conversation with a local pool company, I found the standard, 1.5-horsepower

single-speed pump costs about \$300, and the variable speed pump they use to replace this one is \$900.

But there's good news! The POWER MOVES® program launched a new incentive for replacing your standard single-speed pool pump with an ENERGY STAR-rated pool pump. The \$250 rebate will offset the initial cost for the variable speed pump even more, making the call to your pool company a little easier.

To talk more about the rebate or your options for pool pumps, give me a call!

Brian Hawk is the energy advisor at Noble REMC.

Water recreation safety

WATER AND ELECTRICITY DON'T MIX! This summer, stay safe around pools, lakes and rivers with these tips.



- If someone in the water is shocked, use a non-metal shepherd's hook to pull him/her out of a pool or an insulated device to remove him/her from a lake, river or pond.
- Avoid swimming or getting in the water near boats plugged into shore power or docks with electrical service.
- Fishing on a dock or boat? Keep a distance of at least 10 feet between your pole or boat and nearby power lines.

