



Electric Line Newsletter

ENSURING RELIABILITY AS POWER SUPPLY TIGHTENS

You expect reliable and affordable electricity from your electric cooperative, so how does your co-op deliver on that promise?

A complex network of electricity generators and tens of thousands of miles of electrical lines work together to ensure that enough electricity is available on the coldest winter morning and during the dog days of summer.

What happens when the demand for power overwhelms the ability to provide it? That's a particularly vexing question given the transition taking place in how electricity is produced and shared across this network.

The key to meeting the energy needs so essential to your quality of life is balancing electricity supply with demand. While that may sound simple, there is a complex web of facilities and organizations that work together to make it happen each day.

Regional transmission organizations coordinate, control and monitor the electric grid across several states in a region. Think of them as energy traffic managers on an interstate highway system, regulating the number of cars – in this case, electricity – and their destination.

Even so, on some days there is an imbalance in that system that leads to rolling power interruptions or blackouts—so-called “max-gen” events. In those cases, supply simply can't keep up. In the Midcontinent region comprised of 15 states, there were six max-gen events from 2006-2016. Since 2016, there have been 15, including three last July and August alone.

Simply, that's because power plants that generate electricity are being



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closed faster than new producers come online. In most cases, traditional large-scale power suppliers such as coal and nuclear plants are being closed and replaced by alternatives on a much smaller scale. And this gap is closing more quickly despite the development of new natural gas-fueled power plants.

As more electric utilities pursue zero- or low-carbon initiatives by 2035 and beyond, this challenge will grow more complex. So, what's the answer?



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Electric cooperatives and others in the energy sector will continue to develop renewable options and pursue new technologies. But absent new large-scale alternatives and advances in energy storage, the stalwarts of today's energy fleet—coal and nuclear energy facilities—must continue to operate in many regions. In some, they remain the most cost-effective options for producing electricity.

DAYLIGHT SAVING TIME REMINDER

Don't forget to spring forward on March 14!
Set your clocks forward by one hour.



CENTRAL WISCONSIN ELECTRIC COOPERATIVE TRUST
"Neighbors Helping Neighbors"

APPLY TODAY!

MORE INFO

Scholarship Opportunities Available

- **Operation Round Up Scholarship**
- **CWEC Electric Utility Worker Scholarship**



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KNOW WHAT'S BELOW: STEPS FOR SAFE DIGGING

Spring is just around the corner, and there's never been a better time to get outside and enjoy the fresh air. Perhaps you're making plans for a new garden or a lawn makeover. However you're planning to revamp your backyard oasis, remember to keep safety in mind for all projects—especially those that require digging near underground utility lines.

Most of us never think about the electric, gas, water and other utility lines buried below the ground, but hitting one of these lines while digging is not the reminder you'll want—trust us! Central Wisconsin Electric Cooperative reminds all members who are planning a digging project to call 811 at least three business days before you start. Or you can submit a request online by visiting www.call811.com/811-In-Your-State. Here's how the process works:

After you call 811 or submit your request online, all affected utilities will be notified of your intent to dig. It may take the utilities a few days to get to your request, so please be patient. The affected utilities will send someone out to mark the buried lines with paint or flags. Before you break ground, confirm that all the utilities have responded to your request. If you placed your request by phone, use the process explained by your 811 call center representative. If you submitted your request online, refer to your 811 center ticket to confirm everything.

By taking this important step before you break ground on your project, you can help protect not only yourself but our community. Disrupting an underground utility line can interrupt service, cause injuries and cost money to repair, so remember to call 811 first and know what's below.

5 STEPS FOR SAFE DIGGING

Working on an outdoor project? Careless digging poses a threat to people, pipelines and underground facilities. Always call 8-1-1 first. Here are five easy steps for safe digging:



1. NOTIFY

Call 8-1-1 or make a request online two to three days before your work begins. The operator will notify the utilities affected by your project.

2. WAIT

Wait two to three days for affected utilities to respond to your request. They will send a locator to mark any underground utility lines.

2-3

3. CONFIRM

Confirm that all affected utilities have responded to your request by comparing the marks to the list of utilities the 8-1-1 call center notified.



4. RESPECT

Respect the markers provided by the affected utilities. The markers are your guide for the duration of your project.



5. DIG CAREFULLY

If you can't avoid digging near the markers (within 18-24 inches on all sides, depending on state laws), consider moving your project location.

