



We Care About Your Safety

The world is moving at warp speed, with new electrical innovations arriving daily, like electric cars, battery-operated lawn equipment, robot vacuums, and smart plugs. These new products make life easier for us, but we need to ensure that we use them in the safest way possible.

These rapid advancements require further electrification and safe, efficient devices supporting the increased energy demand. Here are a few ways you can prepare your home.

Electric Vehicles

Are you thinking about purchasing an electric vehicle? Make sure your home is prepared for EV charging. When doing the research, you will notice different levels of charging

stations; level 1, level 2, and level 3; most homes will opt for a level 1 charging device. Before plugging in, make sure your home is ready. Have a qualified electrician complete a site assessment of your home or business to ensure you have proper electrical capacity for EV charging; check your charging cords to see if they are certified by a National Recognized Testing Lab; clear an ample space for your EV



charger, and have a licensed electrician install your new charger.

Be Smart About Outlets

Worrying about whether or not you left the coffee pot on during the day is a thing of the past when you add Smart Plugs to your home. These devices take safety to the next level. You can turn off home devices from anywhere by plugging these into your existing outlet and downloading an app on your phone, which alleviates the worry when you are away.

JOEMC is dedicated to educating people of all ages about electrical safety and providing as safe and reliable electricity as possible. For more safety tips and information, visit joemc.com or follow us on Facebook, Instagram, or Twitter.



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INNOVATIONS

Unleashing the Power of Digital Automation

New Technology

Real Time Automation Controller (SEL RTAC)

Opportunity

Jones-Onslow EMC is bringing innovation to how power is received and dispersed to its membership. Throughout the years, JOEMC's Engineering team has relied heavily on the strength of in-person controls, which resulted in team members visiting each substation to review management. During power outages, the team would have to visit affected areas to confirm outages and apply "one shots" which is a safety setting that does not allow reclosures to close back after an opening on a fault condition to the system. These practices were labor intensive, and some outages could have been spared if innovative technologies had been available.

Goal

Schweitzer Engineering Laboratories Real Time Automation Controller (SEL RTAC) brings communications and control to devices in the field from our office. Through the development of modern digital automation, Jones-Onslow EMC's Engineering team can ensure efficient power delivery without leaving their office. This enhanced technology utilizes digital connections to review real-time energy data and



automation processes for immediate trouble-shooting. As a result, members no longer have to wait for in-person assessments and manual corrections when power outages occur.

Solution

JOEMC has taken giant steps forward in integrating new technologies and bridging the gap between substations and the OMS (Outage Management System). By leveraging SEL RTAC to provide real-time information, crews are better equipped and more confident to respond quickly and efficiently to outages.

In the future, JOEMC plans to take this one step further with a SCADA (Supervisory Control and Data Acquisition) system by further connecting their field devices and substations. With SCADA, JOEMC will gain further insights and intelligence into their outages to improve customer satisfaction and ensure a reliable electrical network. Furthermore, SCADA will give more functionality, such as automatic alarm notifications, analytics, and reporting to enhance visibility into their substations and real-time outages.

JOEMC embraces a brighter, more innovative future and drives the industry towards enhanced operational and customer experience. Integrating these modern technologies allows JOEMC to identify better, respond to, and manage outages to keep our member's power up and running.

Four high school juniors: Mackenzie Morrow, Alyssa Hibbert, Lillian Tillman, and Xavier Drinkwine (*pictured left to right*), will be heading to our nation's capital this summer for a visit. They will represent JOEMC at this year's Electric Cooperative Youth Tour in Washington, D.C.

Each year, more than 1,800 student leaders from electric cooperatives like ours visit Washington, D.C., to learn more about our nation's capital and the cooperative way of doing business, interact with elected officials, and have fun meeting students from across the country. As a community-focused organization, we proudly invest in our future local leaders through the Youth Tour to Washington, D.C.



Teachers, get ready!

We're getting an early start on Bright Ideas.

Teachers can NOW apply for Bright Ideas education grants. This date change will allow for our educators to have more time to submit their innovate ideas to JOEMC. The Bright Ideas program has been providing grants to local educators for 30 years and we cannot wait to see what is in store for the 2023-24 school year. Teachers can apply online at www.ncbrightideas.com.

Grants are available for K-12 classroom projects in all curriculum areas including art, history, math, reading, science and technology. Educators can apply as individuals or as a team and must include a budget, project goals, implementation plan and description of how the project will engage students and enhance their success.

The Bright Ideas education grant program is a shared initiative of all 26 electric co-ops in North Carolina. Collectively, Jones-Onslow EMC and

North Carolina's electric cooperatives have issued more than \$15 million supporting 14,200 projects benefiting well over 3.5 million students statewide.

The final deadline to apply is September 15. Interested applicants are encouraged to visit joemc.com for details on submission requirements or contact Krystal Phillips, JOEMC Communications and Community Relations Director, at kphillips@joemc.com or (910) 355-7821.



Buttermilk Green Goddess Dressing

Here's an old dressing with a bright twist thanks to some citrus alternatives to the standard lemon. Super simple to throw together, it's free of preservatives and packed with vibrant flavor.

Courtesy of: carolinacountry.com

INGREDIENTS

- 1 cup mayonnaise
- ½ cup buttermilk
- 1 tablespoon anchovy paste
- ½ cup fresh parsley, minced
- ¼ cup fresh tarragon (or 2 teaspoons dried)
- 2-3 cloves garlic, minced
- 2 green onions, minced
- ¾ cup chives, minced
- 1 tablespoon each fresh orange & lime juice
- Zest of orange and lime
- 1 teaspoon salt
- 1 teaspoon black pepper

DIRECTIONS

1. Whisk together mayonnaise, buttermilk and anchovy paste until blended. Add remaining ingredients and stir to combine.
2. Chill. Keep refrigerated up to 2 weeks.

Music, games, and more...a fun time was had by all!

The 2023 Annual Meeting held on Friday, March 31st, was a success! We looked forward to celebrating with our members in-person after two years of virtual meetings due to COVID-19. Our staff worked tirelessly in preparation for the big evening. Members flooded the American Legion Building at the Onslow County Fairgrounds, ready to gather and reflect on accomplishments of the past year and have some fun. Our educational displays allowed



CEO Jeff Clark, hands the truck keys to JOEMC member Randy Sawtelle. Randy was the winner of the 2014 Chevy Silverado. Congratulations Randy!

members to learn more about our energy-saving resources. We also featured

new technology to demonstrate how Jones-Onslow is staying up to date to better serve our community. Attendees received free food and participated in exciting giveaways to begin the night. All enjoyed entertainment provided by magician Bryan Sanders, guitarist Justin Castellano, and The Whiskey Rebellion, along with the official business meeting. Thank you to everyone who attended and connected with us, and we hope to see you next year!

Sustaining a Reliable Electric System

“Don’t put all your eggs in one basket.” This is often said when someone is about to do something foolish or risky. If they heed this advice, they don’t commit to “one basket” but instead hedge their bets with multiple options.

This strategy is how I describe JOEMC’s common-sense approach in the current energy transition. We know that consumer interest in renewable energy continues to grow—we’ve seen this trend here in North Carolina. And recent innovations and advances in renewable energy technologies have led to lower costs, making renewables more feasible, accessible, and scalable.

Nationally, there is increasing reliance on renewable energy sources at the same time that we see fossil fuel plants and nuclear plants taken offline, often ahead of schedule. Additionally, we see more pressure on the electric grid due to the increasing frequency and intensity of severe weather events and rising electricity demand.

Competing Pressures

So how do we balance the challenges of maintaining

grid reliability and a changing fuel mix? Solar and wind energy benefit the environment but are limited resources because the sun does not always shine, and the wind doesn’t always blow. Even when combined with battery storage, these resources are still limited by how long the battery lasts until it needs to be recharged. JOEMC’s primary responsibility is to provide electricity 24/7 to you and our community. To do this, we need reliable sources of power that will meet all the peaks and valleys of on-demand energy in our connected world.

That’s where “Don’t put all your eggs in one basket” comes in—while renewables are increasing, we still need to incorporate other forms of energy into the mix to ensure reliable service. Remember, solar and wind are intermittent power sources. This fact, coupled with the growing demand for renewables,



Jeffery T. Clark, CEO

creates challenges. Maintaining a diverse mix of fuel sources— nuclear energy, fossil fuels, and renewables— continues to be of great value to ensure reliability, resiliency, and meeting the growing electricity demand.

The Bottom Line

Lowering the overall carbon footprint in this country means we’re going to electrify more and more of our economy. Solar and wind power are essential parts of a broader energy portfolio but are not always available. In today’s ever-connected world, people need and expect power around the clock.

As our nation increasingly depends on electricity to power the economy, JOEMC is working for you— our members— as we anticipate, plan, and respond to market trends and policy shifts.

That’s how we can power your home and our economy while continuing to serve as your local energy provider.

Energy Efficiency Tip of the Month

The location of your thermostat can impact your HVAC system’s ability to maintain an ideal indoor temperature. For maximum accuracy, thermostats should be placed in the center of the home, away from air vents, plumbing pipes and exterior doors. Avoid placing items like lamps and televisions near your thermostat, which can cause the HVAC to run longer than necessary. Avoid installing thermostats in rooms that tend to feel warmer or colder than the rest of the home. Do not place furniture in front of the thermostat, which can block air flow and result in inaccurate readings.



Our offices will be closed on Monday, May 29, for Memorial Day.

