

May 2025

Official Newsletter of Tri-State Electric Membership Corporation

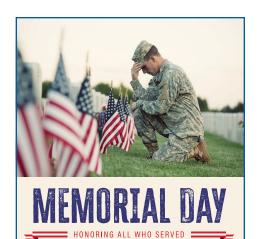
Congratulations, High School Graduates!

ri-State EMC would like to congratulate Crews Chastain, who will be graduating from Fannin County High School this month.

Crews is the son of Tri-State EMC General Manager Stacy Chastain and his wife, Jenna.

Congratulations on your graduation! Tri-State EMC wishes you all our 2025 graduates the best for their futures.





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Holiday Office Closing
Tri-State EMC's office will be closed Monday, May 26, 2025, in observance of Memorial Day.
This is a day of remembrance for those

who died serving our nation.





SUNDAY, MAY 11

WHAT'S ON THAT POLE?

This illustration shows the basic equipment found on electric utility poles. The equipment varies according to the location and the service they provide.

1 **PRIMARY WIRES** Primary wires carry 7,200 volts of electricity from a substation. That voltage is 60 times higher than the voltage that runs through your home's electrical outlets! SURGE ARRESTORS These protect the transformer from lightning strikes. **INSULATORS** Insulators prevent NEUTRAL WIRE energized wires from The neutral wire acts as a line back contacting each other to the substation and is tied to the or the pole. ground, balancing the electricity on the system. SECONDARY SERVICE DROP · Carries 120/240-volts of electricity to consumers' homes. It has two "hot" wires from the transformer and a bare "neutral" wire that's connected to the ground wire on the pole. GROUND WIRE The ground wire connects to the neutral wire to complete the circuit inside the transformer. It also directs electricity from lightning safely into the earth. **TELEPHONE, CABLE TV AND FIBER WIRES NEVER NAIL POSTERS OR** These are typically the **OTHER ITEMS TO UTILITY** lowest wires on the pole. POLES. THESE CREATE A SAFETY HAZARD FOR LINEWORKERS.