

# Grid Resilience and Technology Solutions to Ease Transmission Constraints and Solve Distribution Conundrums

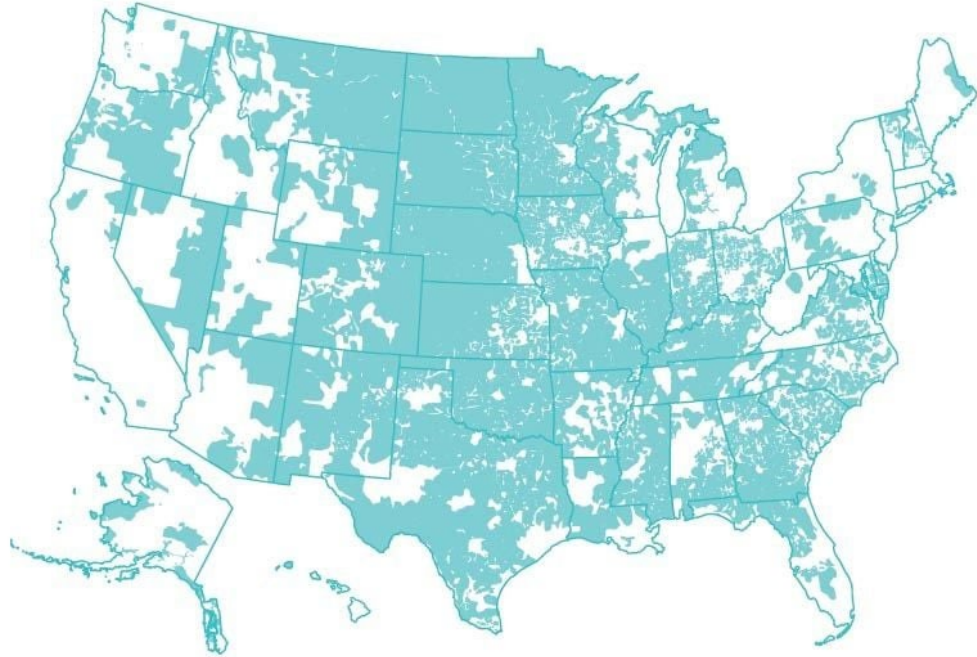
NASEO Annual Meeting

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# America's Electric Cooperatives



## 900 Electric cooperatives

- Serve 42 million people or 1 in 8 US residents in 48 states.
- Power 56% of America's land mass.
- Provide electricity in 92% of America's persistent poverty counties.
- Are not-for-profit, democratically run by our consumer members who own us.

# Transitioning to Newer Technologies



- USDA's \$9.7 Billion New Era Program
- 157 Applications received for 750 projects
- Applications represent \$93 billion in investment
- Solar, batter storage, wind, nuclear, microgrid, CCS

# But... obstacles remain

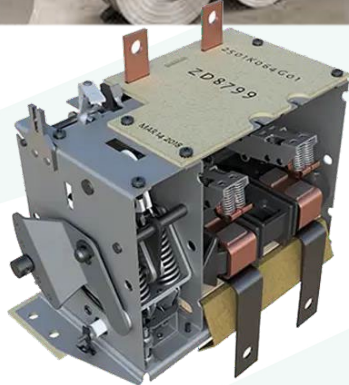


## Supply Chain Challenges

- Distribution Transformers
- Large Power Transformers
- Aluminum conductor steel-reinforced cable, electrical conduit, underground cable
- Metering equipment



# Distribution Transformer Constraints



- Labor
- Grain Oriented Electrical Steel (GOES)
- Transformer components

# Mixed Signals from the US Government



- DOE Proposes increased efficiency standards for distribution transformers
- An already fragile market becomes more unsettled.

# Further Challenge



- Domestic content required in **all infrastructure projects receiving federal financial assistance**
- Implementation at the Agency level
- Waivers

# Thank you!

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