

# URECC NEWSLETTER



## A Balanced Team for Reliability

The winningest basketball teams in history are ones that are consistent and have players with varying abilities. Some are better at shooting three-pointers, some are best at defense. Having a balanced mix of skills makes the team a powerhouse on the court. The way to keep electricity reliable is a bit like that also.

The power team first requires a foundation of consistent sources that can be put in the game any time they're needed. Having enough "always available" fuel sources like natural gas and coal can ensure consistent power generation.

Just like a team needs different players for different situations, our power grid requires multiple sources to keep the grid running. Relying solely on one player to win every game is not an effective strategy-if they get injured, you'll likely lose. Similarly, using a single fuel source for electricity generation poses a significant risk to energy reliability. Natural disasters, geopolitical tensions or unforeseen disruptions can severely impact the supply chain of a particular fuel. A diverse mix of energy sources acts as a safeguard, ensuring that the grid remains operational even in the face of unexpected challenges.

A diverse energy mix also enhances grid flexibility by accommodating the intermittent nature of renewable energy sources like solar and wind. Think of solar power like a team's inconsistent three-point shooter.



It's awesome when the sun is shining bright, but what if it's night time or a cloudy day? That's where the other players, like wind, hydro, nuclear, natural gas and coal can step up and keep the team scoring.

Diverse fuel sources contribute to the stability and reliability of the electric grid. The different sources have varying characteristics, including generation patterns, responsiveness and storage capabilities. This diversity allows for a more balanced and resilient energy system that can adapt to fluctuating demand and unforeseen circumstances. Having a mix of these energy sources is like having a team with different skills to handle various situations and scenarios.

A diverse set of energy sources is essential, but that's not the only thing we need to have reliable electricity-or a winning team. Basketball teams are always trying out new plays or training rookies to create a versatile lineup. Similarly, electric cooperatives are constantly innovating to maintain reliability for tomorrow. But creating new ways to make our power sources more efficient and reliable takes time, money and advances in technology that aren't necessarily ready yet.

As we continue to work on the innovations of tomorrow, the key to keeping our electricity reliable right now is ensuring a diverse "team" of fuels. Each one brings something special to the table, and together, they make sure we have the power we need, whenever we need it.

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**Upshur Rural Electric Cooperative's**

**2024 Annual Meeting is set for**

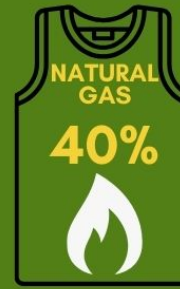
**Thursday, April 4th, at 1:00 PM.**



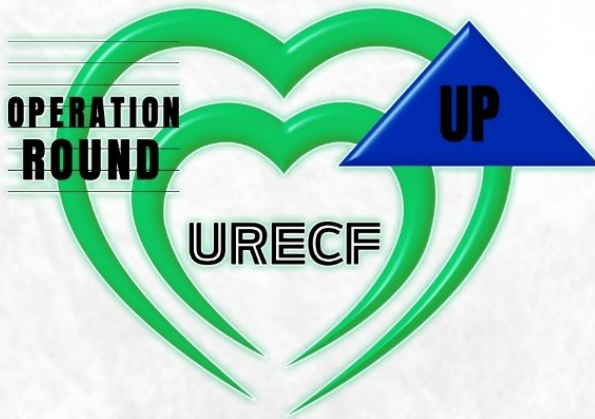
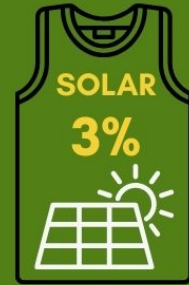
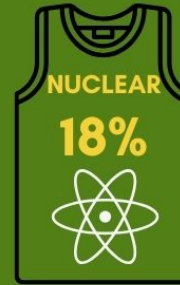


Renewable energy sources like wind and solar are key players in our fuel portfolio, but the sun doesn't always shine and the wind doesn't always blow. A diverse team of fuels ensures we have electricity whenever we need it.

Source: 2022 EIA national utility data  
Approximately 3% of electricity is generated from other sources



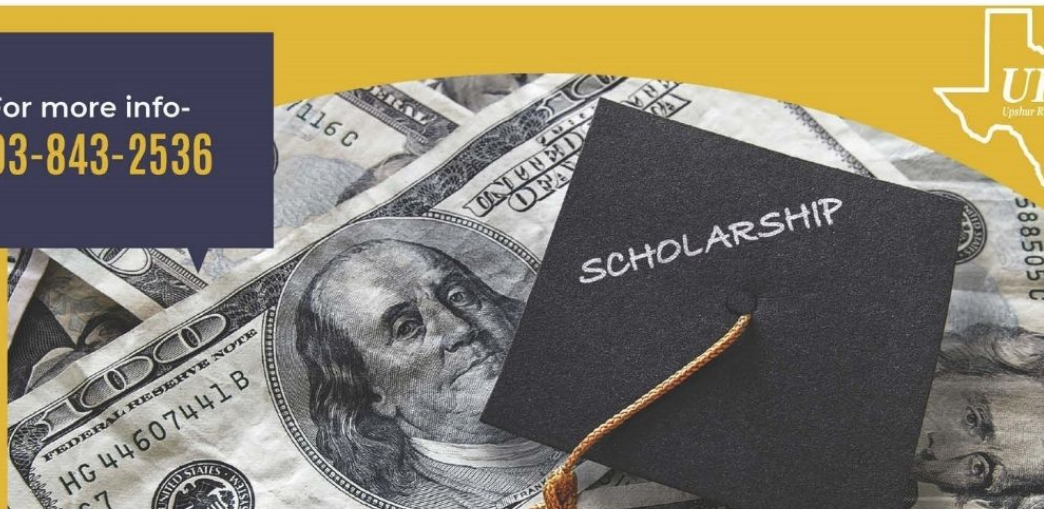
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