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# Balance of Power/How New Federal Regulations Affect the Future of Electric Generation: Eugene Jamison (Manager - Environmental Compliance, Arkansas Electric Cooperative Corporation) Arkansas Environmental Federation Air Seminar Presentation

05/16/2024

Eugene Jamison undertook a presentation at the May 9th Arkansas Environmental Federation Air Seminar titled:

*Balance of Power – How New Federal Regulations Affect the Future of Electric Generation (“Presentation”)*

Eugene serves as Manager – Environmental Compliance at the Arkansas Electric Cooperative Corporation.

The *Presentation* addressed four overall topics:

- What is an Electric Cooperative?
- Resources – Dispatchable vs. Intermittent
- Barrage of Federal rules affecting “fossil fuel” electric generating units (“EGUs”)
- “Why should you care”

The *Presentation* addressed both Arkansas Electric Cooperative Corporation (“AECC”) and the Arkansas Electric Cooperatives, Inc. (“AECI”) and their history. It further noted the role of the 17 electric distribution cooperatives including various service areas.

Eugene then addressed:

- Wholesale Power Resources
- Regional Transmission Organizations (i.e., Southwest Power Pool and MIS)
- RTO Energy Supply
- AECC Energy Portfolio in 2024
- Dispatchable Resources (Referenced as backbone of wholesale electricity supply and typically encompassing nuclear, coal, and natural gas plants)
- Energy/Capacity
- Intermittent Resources

- Potential Role of Batteries (and their limitations)
- Load Curtailment
- Projected Energy Load Increases (Noting the days of decreasing demand are over)
- Federal Overreach
- EGU Power Sector Regulatory Timeline as of December 31, 2023
- Federal Environmental Regulations Timeline
- Air Regulatory History
- Historical Emissions Reductions from the Utility Sector
- Ozone Transport Rule
- AECC Historic Ozone Season NOx Emissions
- PM2.5 National Ambient Air Quality Standard
- Standards in Other Countries
- New Environmental Rules
- Greenhouse Gas Rule – Existing Coal Units
- Impact of Greenhouse Gas Rule – Existing Arkansas Coal Units
- Impact on the Ratepayer Pocketbook
- Greenhouse Gas Rule – New Combustion Turbine Units
- Greenhouse Gas Rule – CCS as BSER
- 2050 Impact of Decarbonizing Entire U.S.
- Mercury Air Toxics Rule
- Effluent Limitation Guidelines for Steam Electric Power Generating Units
- Legacy Coal Combustion Residuals Rule
- Bureau of Land Management Conservation Rule
- Why Any of the Above Should Matter to You
- Reliability Impacts of EPA Clean Air Act Section 111 Carbon Rule
- Electricity Use Defines the World

A copy of Eugene's Presentation can be downloaded [here](#).