Committee on Electricity

Business Meeting

This session will begin at 1:45 p.m.
Introductions - Hon. Matt Schuerger (MN)

Committee Member Discussion with FERC Commissioner Mark Christie

Formal Consideration of Resolution – Hon. Matt Schuerger (MN)

DOE Transmission Needs Study Overview – Adria Brooks, Transmission Engineer, DOE
FERC Commissioner
Mark Christie
Building a Better Grid:
Transmission Planning Efforts

Dr. Adria Brooks

July 19, 2022
Engagement and collaboration
- States
- Tribal nations
- Stakeholders

Enhanced transmission planning
- Transmission Needs Study
- National Transmission Planning Study
- Atlantic Offshore Wind Transmission Study

Federal financing tools ($20+B)
- Transmission Facilitation Program ($2.5B)
- Smart Grid Investment Grant Program ($3B)
- Grid resilience grants for states, Tribes, and utilities ($10+B)
- Loan guarantee programs

Transmission permitting process
- Streamline of permitting with federal agencies
- Public private partnerships
- Designation of corridors

Transmission-related R&D
- “Next generation” electricity delivery technologies
- Supporting activities
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Transmission Needs Study

Objective: Review current and anticipated future needs of the bulk power grid

“Needs” include:
- Reliability and resilience
- Congestion
- Transfer capacity limits
- New generation delivery

Analysis includes:
- Historic transmission and generation installations
- Historic wholesale electricity prices
- Review of nearly 40 industry, academic, lab reports
- Results of capacity expansion models
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National Transmission Planning Study

Output:
Identify viable and efficient transmission options that will provide broad-scale benefits to electric customers.
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Identify viable and efficient transmission options that will provide broad-scale benefits to electric customers.

To do this well need to ensure we have proper load and policy assumptions for each State. **Survey sent out** through NARUC asking each state to confirm our assumptions for your State. **Due July 29.**
Thanks for attending.
The next session begins at 3:15 p.m.