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Revolutionizing the grid: The potential of energy storage for wires in Alberta

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Introductory Remarks

Introduction

- Alberta's electricity market is characterized by competition, fostering innovation, efficiency, and affordability.
- Distribution facility owners deliver electricity directly to end-users, ensuring reliable and safe access to power.
- Transmission facility owners manage high-voltage infrastructure, connecting generators to the distribution system and facilitating power movement across the province.
- Growing interest in the use of energy storage resources for transmission and distribution services.
- Energy storage systems optimize grid operations, enhance reliability, and integrate renewable energy sources.
- Strategic deployment of energy storage assets allows grid operators to manage peak demand, improve grid stability, and maximize infrastructure utilization, benefiting consumers and supporting a sustainable energy future.



Presenters & Topics

1. **Nicole Spears, Executive Director, Generation, Transmission and Markets, Alberta Affordability and Utilities**
 - Legislation's response to emerging technology challenges
 - Overview of former Bill 22 and its objectives
2. **Cayla Saby Vice President, Government Relations & Commercial, AltaLink, L.P.**
 - Whitecourt battery storage project and its implications
 - Potential of energy storage to replace traditional infrastructure
3. **Sascha D'Souza Senior Engineer - Emerging Customer Solutions, FortisAlberta Inc.**
 - Insights from Waterton project and key learnings
 - New HEEA requirements regarding DFO ownership of storage
 - Considerations for appropriate use of batteries as distribution resources



Critical Questions

- What is the role for energy storage in supporting the needs of transmission and distribution utilities and their customers?
- Does Bill 22 simplify or add complexities to the use of energy storage?