

Energy Storage Alberta CANREA Summit

REVOLUTIONIZING THE GRID: THE POTENTIAL FOR ENERGY STORAGE FOR
WIRES IN ALBERTA

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What Does a Transmission Wire Provide?

- A reliability service
- Facilitates market access for all
- Under control of the Alberta Electric System Operator
- Flexibility to adapt functionality over time



Whitecourt Transmission Deferral Battery



- 20 MW/20 MWhr Battery Energy Storage System (BESS)
- Located at existing Whitecourt substation
- Minimizes the need to build a future transmission line in the area
- Potential savings for ratepayers over the cost of a traditional wire solution, while also reducing land and landowner impacts
- Transmission Deferral Batteries can create a future fit Transmission grid

Transmission Planning Process for Energy Storage

