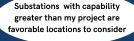
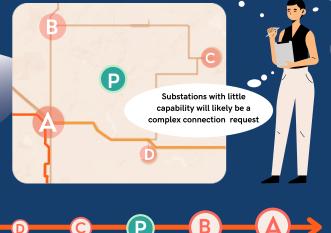
TRANSMISSION CAPABILIT

aeso @

POTENTIAL LOCATIONS TO



The bigger the bubble, the larger the capability...



more complex connection request

project

less complex

connection request

Assumptions

Historical merit order, load and interchange













Installed Transmission System as Dec 31, 2021

- All elements in service
- Transmission equipments (>=69 kV) monitored

Methodology

- Substations are evaluated independently (not additive)
- DC power flow analysis
- Hourly market simulation with economic generation dispatch
- Optimization techniques to determine capability without congestion

Results

- Provide substation capabilities in **Central East and South Planning** regions
- Size of bubbles indicate the relative magnitude of substation capability
- Capability is provided by bus and is selected to align with planning practices





The map provides directional information as one of the inputs to support market participants' connection decisions



The capability value is not guaranteed. Comparing the project size to the capability signals the level of complexity expected in the connection process.



The connection process is the official process to facilitate system access service on Alberta's transmission system