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Polar Fiber Update

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Arctic Fibre – Quintillion Partnership

Arctic Fibre is actively planning the construction of a network linking Japan to the United Kingdom via Cambridge Bay, Nunavut, Canada. This network will have the following characteristics:

- Three fibre pair cable
- High reliability repeaters
- Design capacity of 80 wavelengths at 100Gb/s
- Two express fibre pairs Japan to London, total capacity 24Tb/s
- One local fibre pair with 5Tb/s capacity

The Express pairs will not land at the intermediate landing stations in order to enhance network reliability and ensure low latency. Signals will be regenerated at Cambridge Bay within a secure facility.

Quintillion Networks, an Alaska company, has the exclusive rights for connecting to, and bringing fiber landings into Alaska.

What does this mean for Alaska?



Potential Benefits

- Improved Rural Connectivity to hub communities
- New starting points for regional networking
- Increased Competition to drive rates down
- Diverse network routes in/out of Alaska
- Economic Development
 - Data center
 - Commerce
 - Finance
 - Telecommunications
- Potential Partnerships for Research and Education

Questions & Comments

