QUINTILLION

CARRIER OF CARRIERS AND TERRESTRIAL BROADBAND

Leading provider of GIG-E Broadband Networks in Alaska

Presented by: Mac McHale
In Service
Serves North America’s largest oil and gas fields at Prudhoe Bay
- Spans from Nome to Prudhoe Bay
- 1,182 miles of fiber
- 3 pair - 10TB system
- 6 cable landing stations

In Development
Improves route diversity, reduces latency, and establishes a high-capacity Alaskan gateway to Asia
- Extends from Washington State to Japan
- Connects Alaska to Washington State

Planned
Establishes an Alaskan gateway to Europe
- Connects Alaska to Canada
- Extends from Canada to Greenland and on to London
505 miles of terrestrial fiber along the Dalton Highway Corridor

Serves North America’s largest oil and gas fields at Prudhoe Bay

High capacity, low latency, accessible, and available
WHOLESALE GIG-E BROADBAND SERVICE

1. Interconnect with incumbent telecom providers in each landing station

2. 30Tbps capacity on Phase 1 fiber systems

3. Available capacity and speed ideal for commercial, government, and national security needs

4. Established relationships with Alaska-based carriers, Native corporations serving federal agencies, and major commercial clients
Today, only one dominant player exists in the billion-dollar global market for ground station and earth observation services. 50% of the business is from the US Government and private sector. Quintillion can offer more robust services at lower cost, on US soil and on US-owned and operated fiber infrastructure beginning Q1 2021.
Broadband connectivity is the necessary underpinning to a modern Arctic defense infrastructure.

The *Why Arctic Matters* report makes clear — and we need to reiterate it to our state legislator — how crucial it is to develop a strategic Arctic vision.

- Quintillion’s Phase I infrastructure is an important segment of the foundation for the US Arctic’s telecom future
  - More needs to be done…International expansion and Satellite ground stations specifically
  - Alaska will be the US Arctic gateway and fulcrum between Asia, Europe and space
- Support the US defense position and future economic development, all while supporting local Alaskan communities.
• Working proactively with local access network service providers to deliver USAC-funded services to schools, libraries, hospitals, and clinics

• Pursuing ways to propagate our broadband system inland to serve frontier communities

• Establishing relationships with wireless ISPs to innovate and distribute broadband using a variety of wireless technologies

• Enable Interconnection between Asia and Europe through the US Arctic

• Establishing a Quintillion Ground Station and Earth Observation Services site in Utqiagvik …Testing starts in December 2020 and service availability in January 2021
Decades of telecommunications and data center design, engineering, construction, and operating experience