

# Broadband Task Force

“Broadband is the greatest infrastructure challenge of the early 21st century.”

- The Federal Communications Commission,  
“Connecting America: The National Broadband Plan” (2010)

“...to develop greater opportunities through new technology, economic empowerment and all the opportunity that broadband deployment brings.”

- Commissioner Susan Bell, Department of  
Commerce, Community & Economic Development  
(2/22/2011) Letter to Alaska Broadband Task Force Members

# Problem

- Only 55% of the rural Alaska population subscribe to Internet service at home
- 111 communities in Alaska do not have terrestrial-delivered broadband speeds
- Yet 67% of households in the Bristol Bay region use the internet every day
- 1,500 U.S. Anchor Institutions -- 768 kbps down and 200 kbps up
- Of that number, 800 are in Alaska



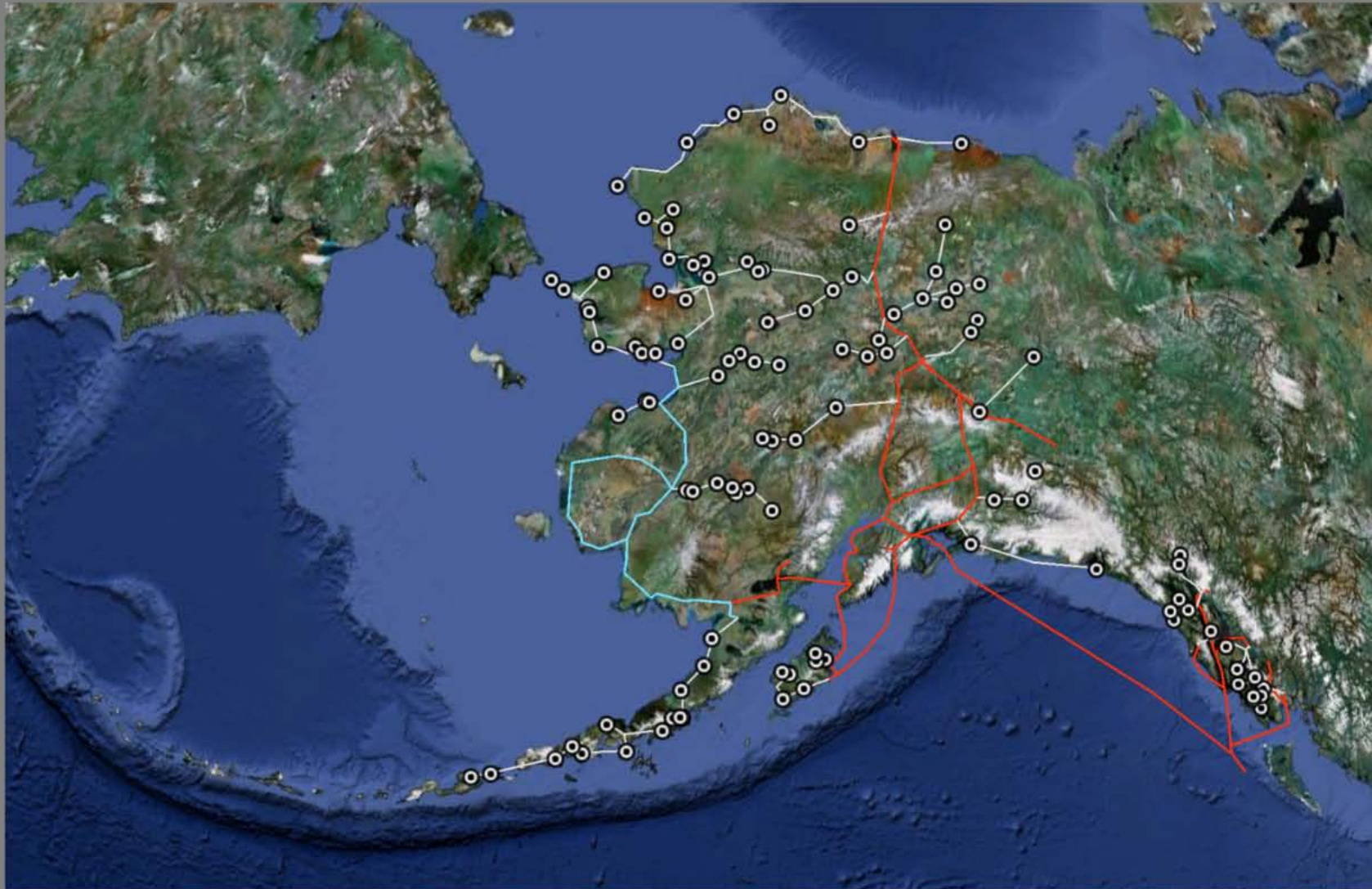
# Existing Fiber/Microwave Infrastructure & GCI TERRA



# Places without High-Speed Broadband



# Proposed Network to Connect Places



# Vision

**“By 2020, every Alaskan has  
100 mbps broadband  
connectivity.”**

# Cost

**\$1.2 Billion** estimated total cost

- \$1B for new microwave, fiber & satellite system construction
- \$200M for upgrades to existing systems



# Example of Microwave & Fiber Optic Middle-Mile Cost to Eagle



# Why?

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graph TD; A((Why?)) --- B((Gov. & Edu.)); A --- C((Commerce, Business Development, Entrepreneurship));
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## Gov. & Edu.

- Government e-services
- Telemedicine/Healthcare
- Education K thru post-secondary
- Public Safety

## Commerce, Business Development, Entrepreneurship

- Regional, national & global competitiveness
- Entrepreneurship
- E-Commerce
- Resource Extraction

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# Comments

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