
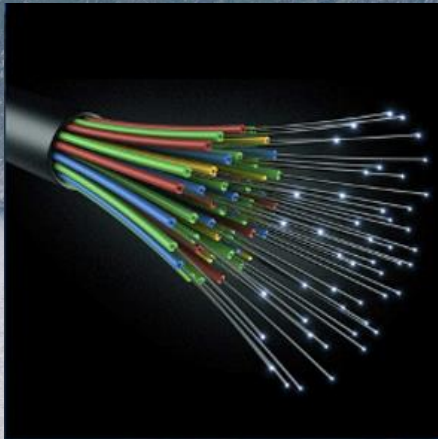




***2024 SWAMC Economic Summit***

- 
- 40+ years of service.
  - 1,800+ employees.
  - \$4 billion invested.
  - Wireless, internet, long distance, TV.

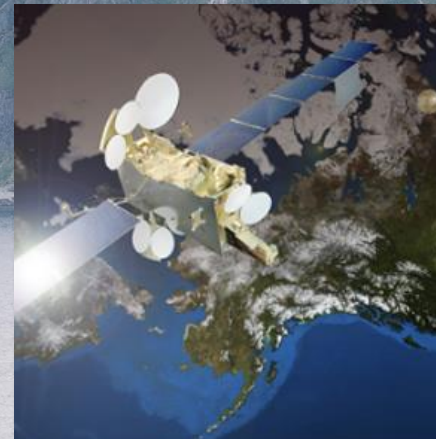
# Middle mile — the toolkit



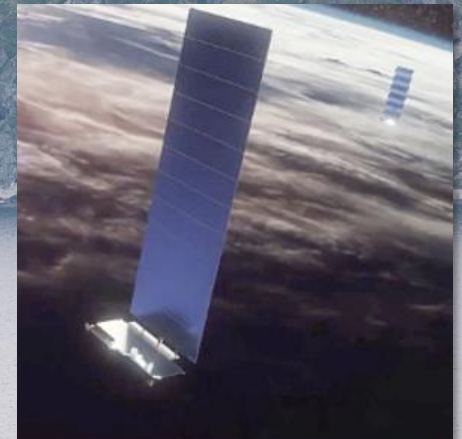
FIBER



MICROWAVE



GEO SATELLITE



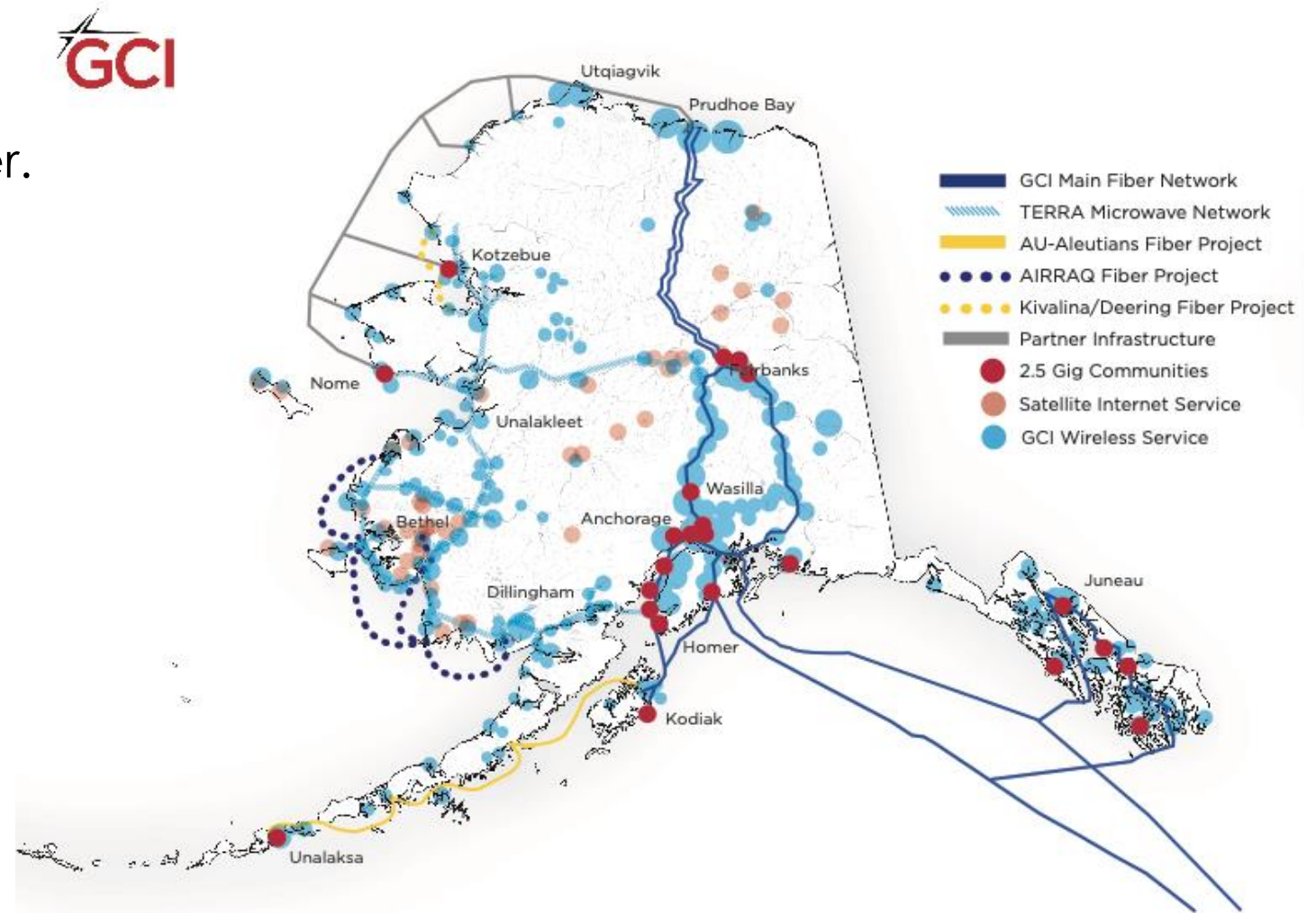
LEO SATELLITE



# A big state requires a big network

- 3,200 miles metro and long-haul fiber.
- 6,000 miles submarine fiber.
- 2,800 miles fiber/microwave ring.
- 686 wireless towers.
- 376 earth stations.
- 268,282 homes passed wireline.
- 308,175 homes passed wireless.

**97% of Alaskans live in GCI's service footprint.**



# Why fiber?



- ✓ Fastest broadband internet speeds.
- ✓ Almost limitless capacity.
- ✓ Low latency.
- ✓ Low maintenance.
- ✓ More reliable than any other solution.

# Deploying and managing subsea fiber

**Subsea experience.** GCI has built, operated, and maintained subsea fiber networks for more than 25 years. GCI operates almost 7,000 miles of subsea fiber.

**About the fiber.** The fiber will be an armored, sealed fiber specifically designed for large-scale subsea fiber projects. Specialized fiber requires almost 12 months to design and build.

**Proper installation.** GCI is a member of the International Cable Protection Committee (ICPPC) and follows all industry-recommended practices for cable protection during installation.

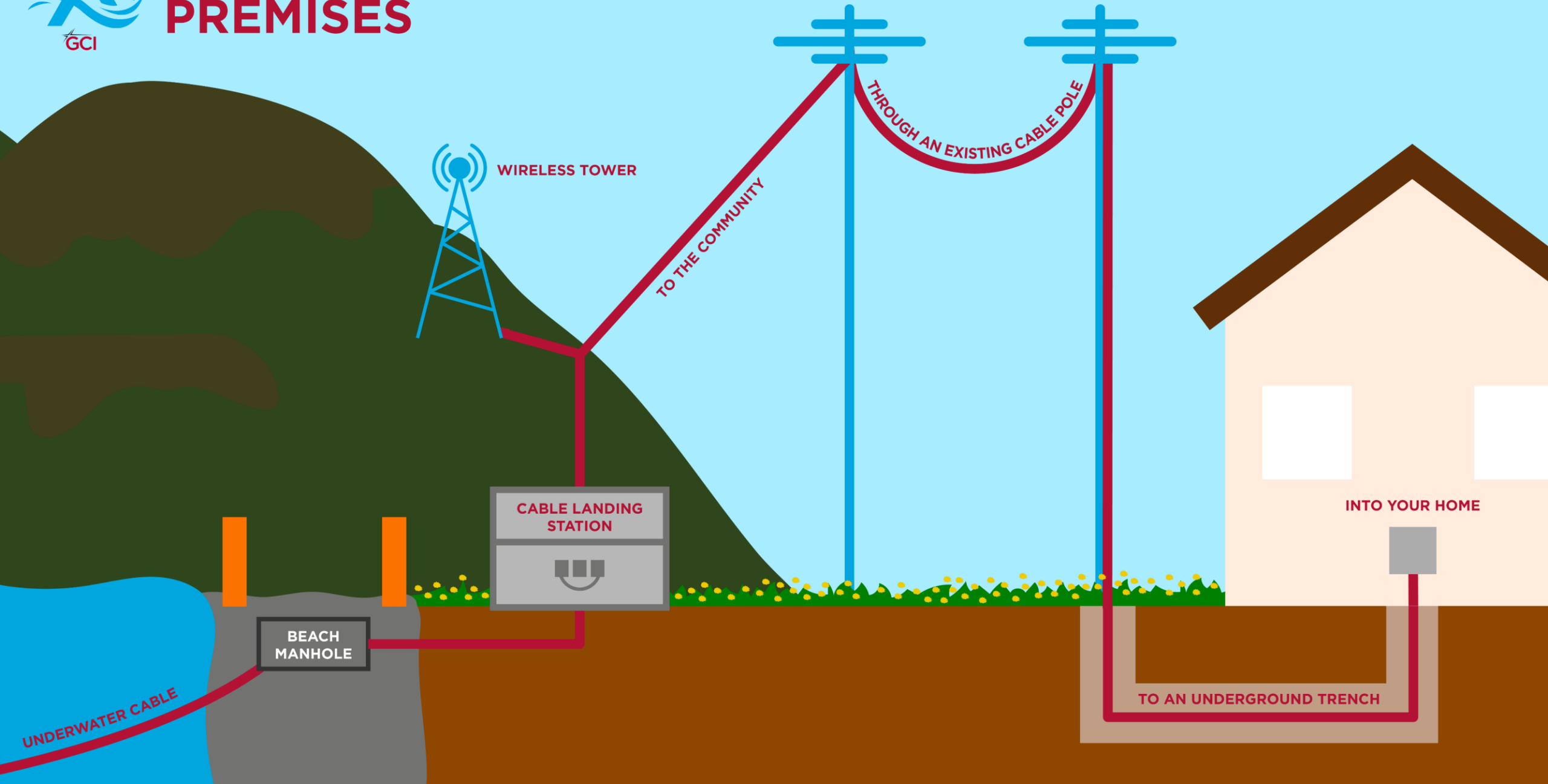
**On-call marine repair vessel.** Available for 24/7 response. GCI retains the repair vehicle, docked in Vancouver BC, for \$1.7 million per year.

**Reliable back-up.**





# FIBER TO THE PREMISES



# CONSUMER PLANS AND PRICING FOR FIBER-FED COMMUNITIES

**FAST**

**\$89.99/mo**

Download **up to 250 Mbps**  
Upload **up to 10 Mbps**  
Included high-speed data **250 GB**

**FASTER**

**\$114.99/mo**

Download **up to 500 Mbps**  
Upload **up to 20 Mbps**  
Included high-speed data **600 GB**

**FASTEST**

**\$164.99/mo**

Download **up to 1 Gbps**  
Upload **up to 40 Mbps**  
Included high-speed data **1 TB**

**RED  
UNLIMITED**

**\$184.99/mo**

Download **up to 2.5 Gbps**  
Upload **up to 75 Mbps**  
Included high-speed data **UNLIMITED**





# Broadband Internet Projects in Southwest Alaska





AU-ALEUTIANS



GCI

FIBER PROJECT

# GCI Aleutians Fiber Project — Phase 1



\$70M project (\$27.5M USDA RUS Grant awarded October 2020).



800+ miles of subsea fiber installed.



Turned up 2 gig service in Unalaska in 2022. Increased speeds to 2.5gigs in May 2023. 5G Wireless service launched in August 2023



Turned up 2.5 gig service in Sand Point and King Cove



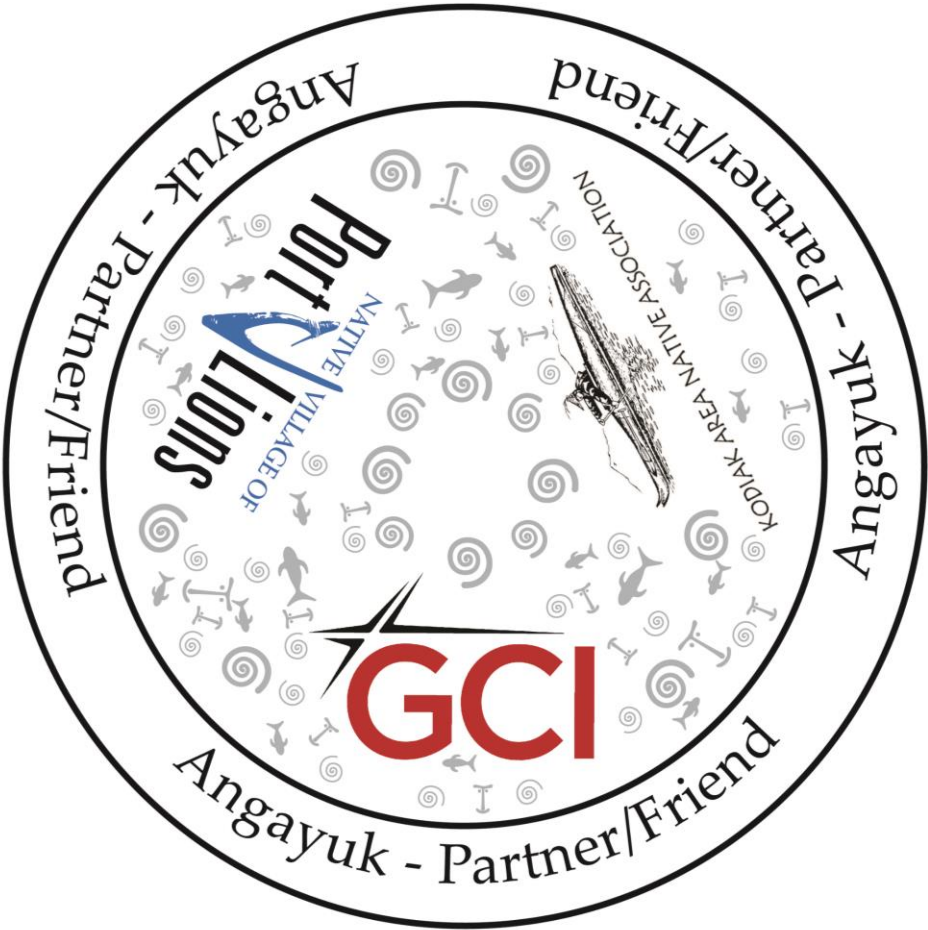
Akutan FTTX construction underway



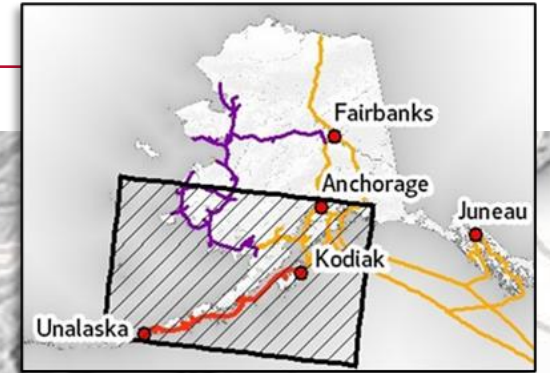
Chignik Bay and Larsen Bay construction to start soon



# Closing the digital divide through partnership



# GCI Aleutians Fiber Project — Phase 2

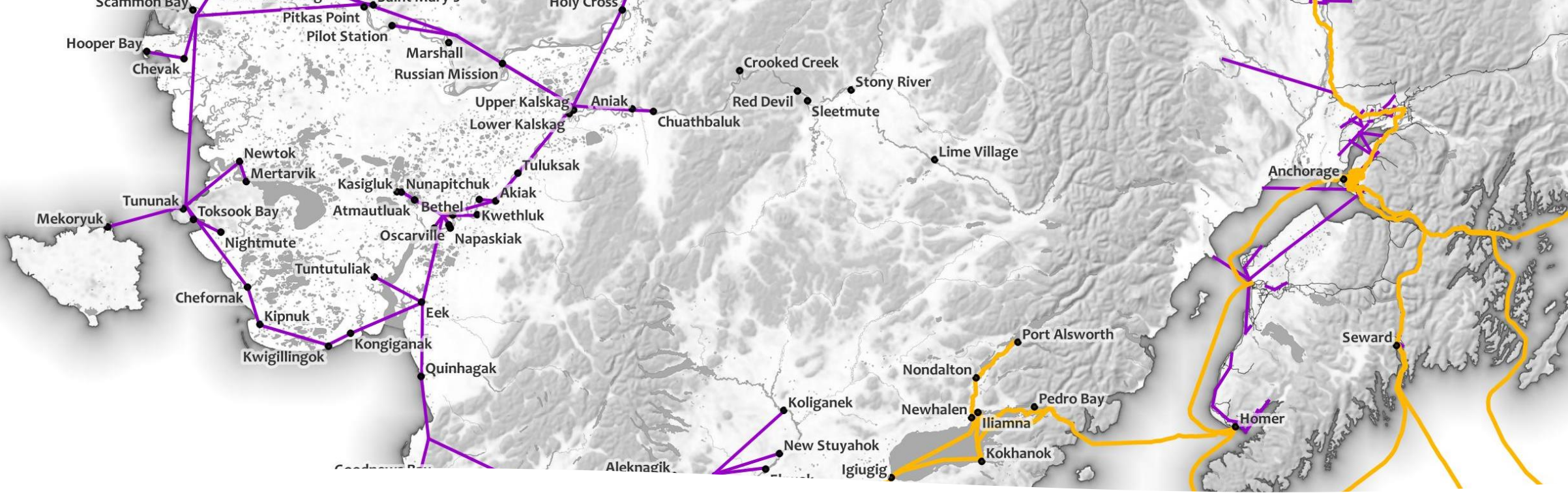


**Partnership with Native Village of Port Lions**  
**\$29M NTIA TBCP Application**

● AUA2 communities

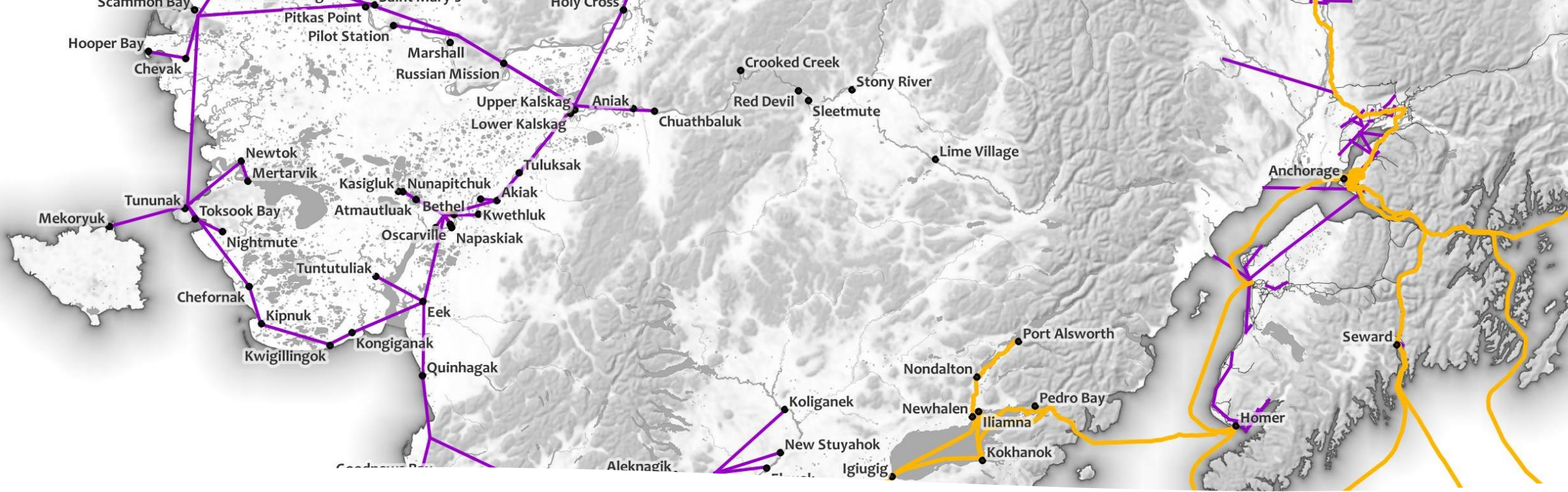
*SCOPE: Deliver FTTX to all 6 communities as well as any GCI facility.*





# TERRA Fiber – Additional Projects and Partnership

- First TERRA phase completed in 2012
- Fiber passes through 8 communities
- Fixed wireless local access is a bottleneck
- Partnership with Igiugig Village and SALMONet to improve services in the lake communities.
- TBCP Round 2 provided an opportunity to upgrade to FTTx



# TERRA Fiber - Additional Projects and Partnership

## Partnerships with Alaska Carriers to expand Impact

- Nushagak Electric & Telephone Cooperative – leverages GCI fiber to improve Internet in Dillingham and surrounding service area
- Bristol Bay Telephone Cooperative – leverages GCI fiber to improve Internet in Naknek/King Salmon



## *Wireless Upgrades*

- Completed LTE upgrades in 2021 of Dillingham
- Completed LTE upgrades in Manokotak and Clarks Point in 202
- Launched 5G in Kodiak in 2023
- Launched 5G in Unalaska

## *Move beyond incremental service improvements*

- Wherever possible, deploy long-term, transformational solutions.
- Fiber provides necessary backbone to deploy transformational solutions (5G).
- Developing long-term plan to upgrade legacy rural wireless sites







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