

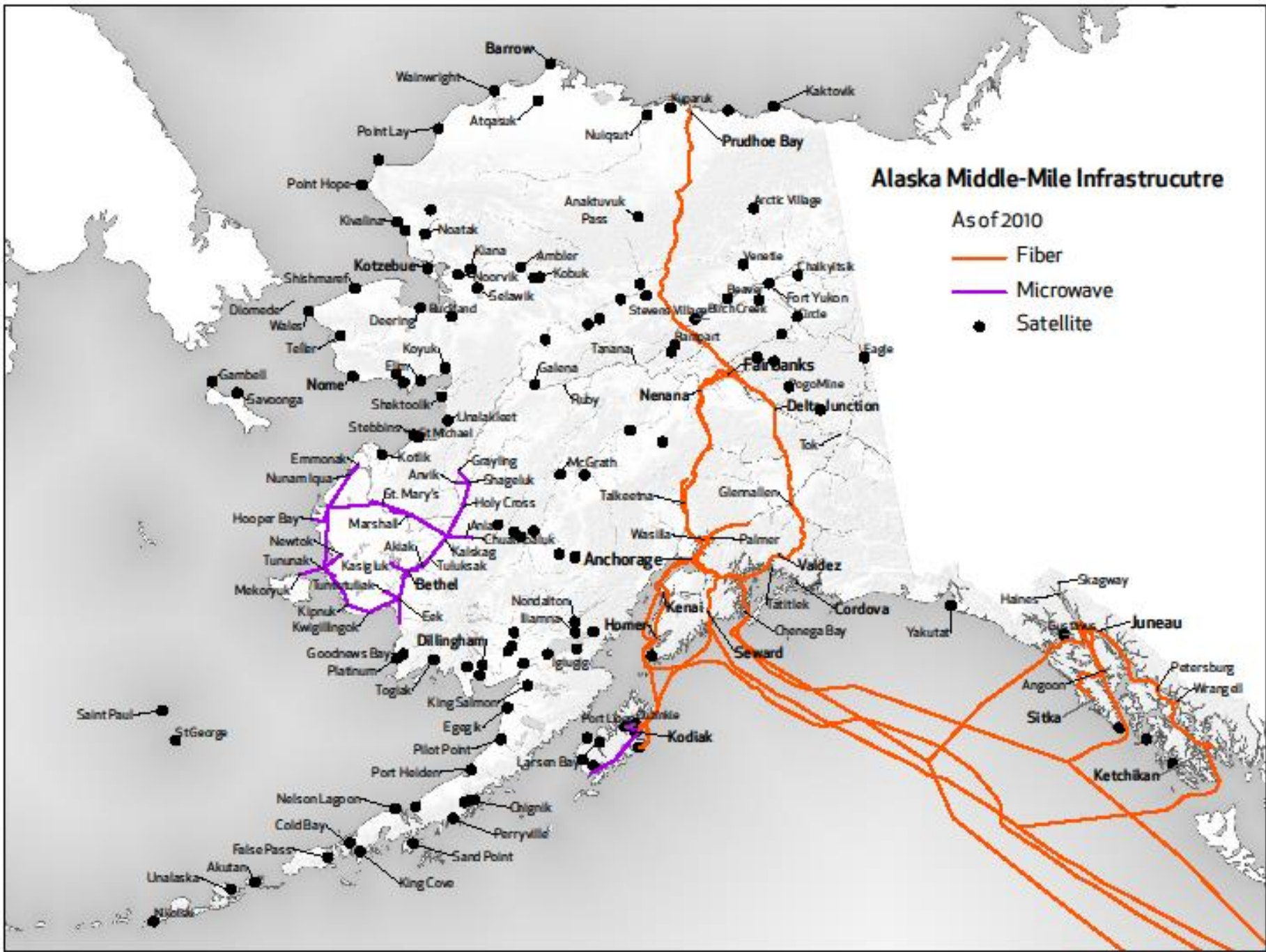


Broadband's Role in Natural Resources Development

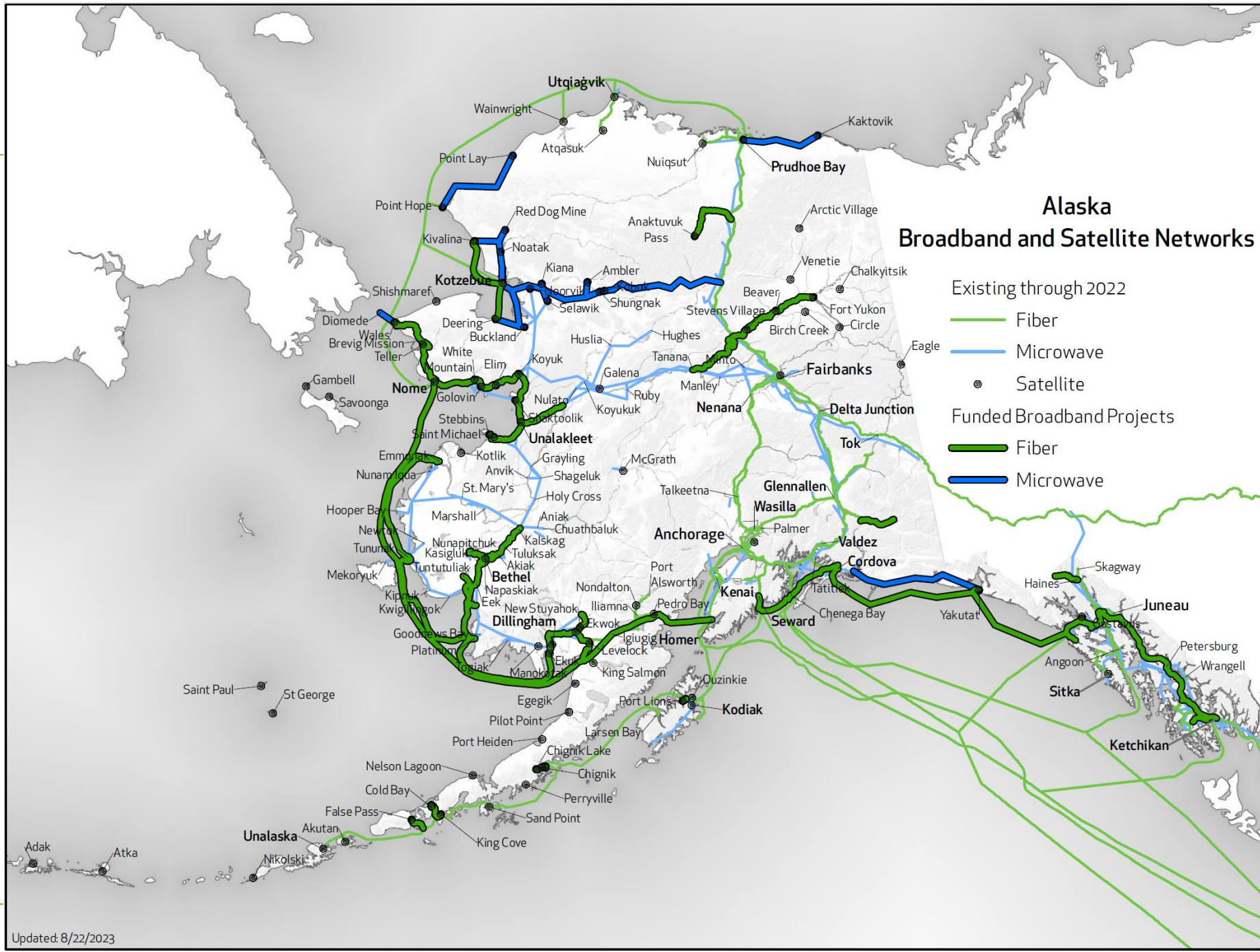
November 16, 2023
RDC Annual Conference



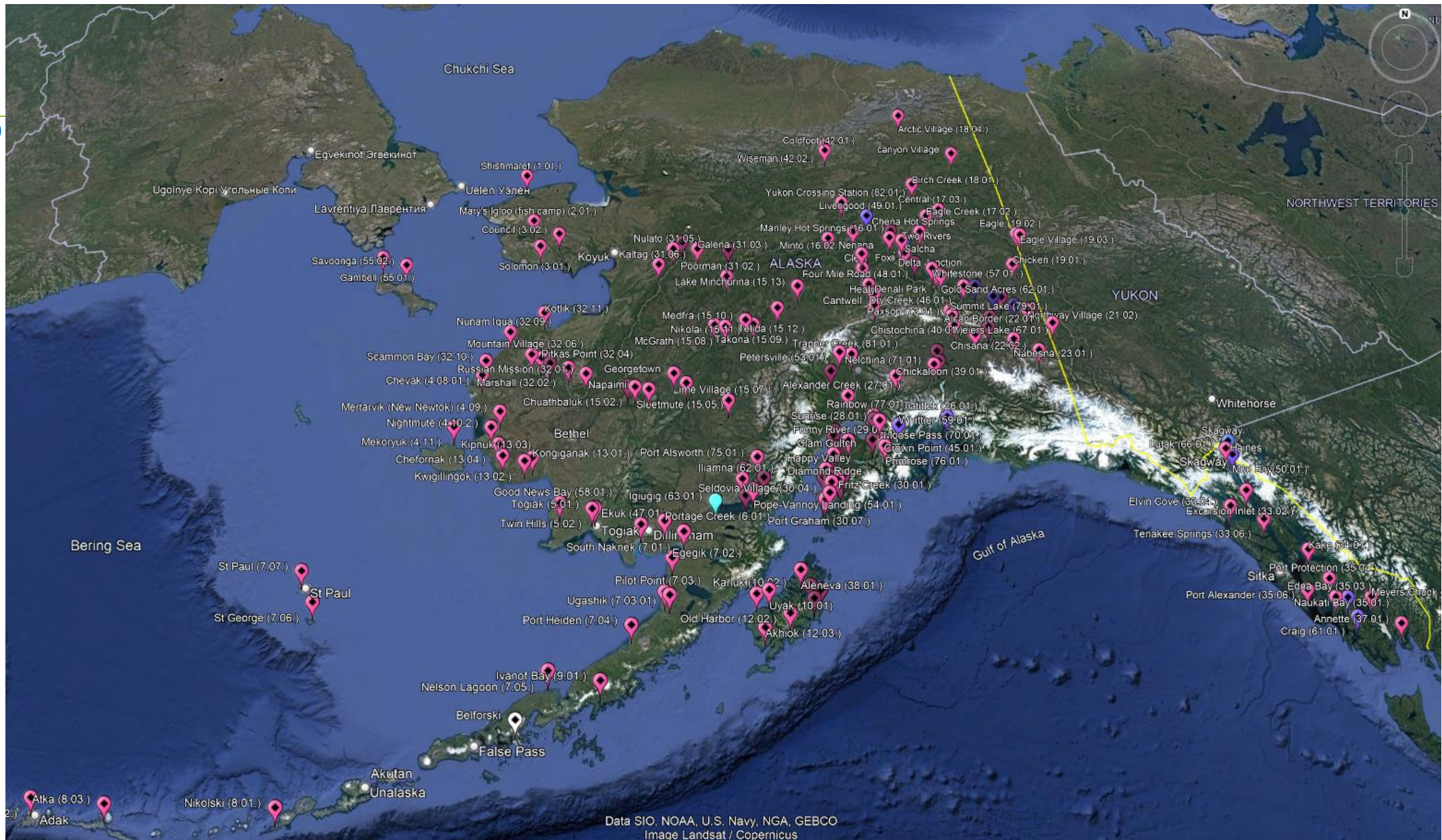
Middle Mile 2010

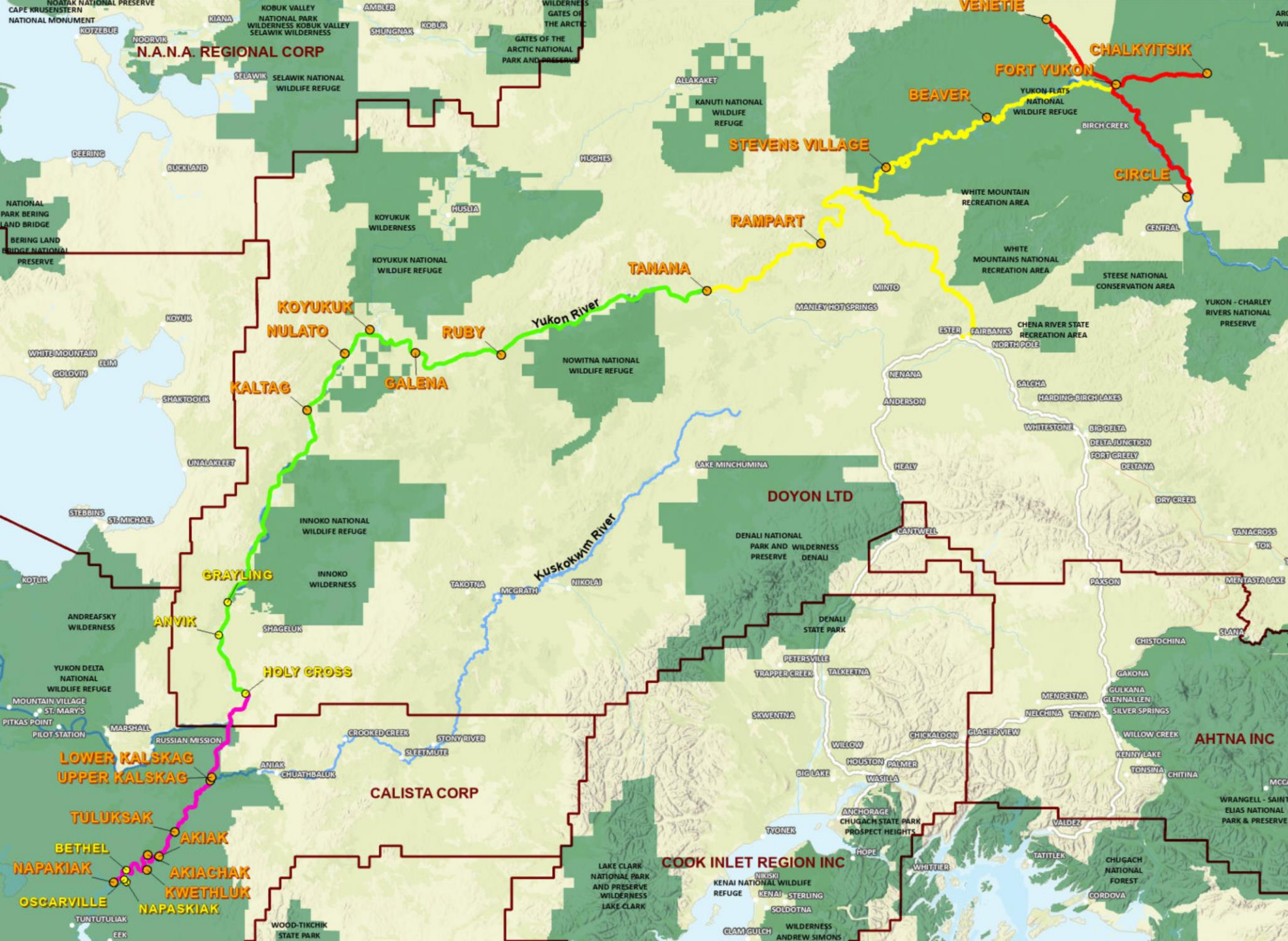


Middle Mile 2023



BEAD Priority





ALASKA YUKON/KUSKOKWIM RIVERS FIBER OPTIC NETWORK PROJECT PHASES

- FTTH Communities
- Other Communities
- Highway
- Yukon and Kuskokwim Rivers
- ANCSA Regional Corporation Boundary
- Parks, Preserves, and Refuges

Network Project Phase

- Phase 1
- Phase 2
- Phase 3
- Phase 4

Network Length Information

Total Length: 1268.3 Miles
 Terrestrial Length: 222.4
 Underwater Length: 1045.9



MAP LOCATION





OTZ TELEPHONE VILLAGE CONNECT PROJECT

High Speed Internet in Each Community

CONTACT

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OTZ is an equal opportunity provider and employer.

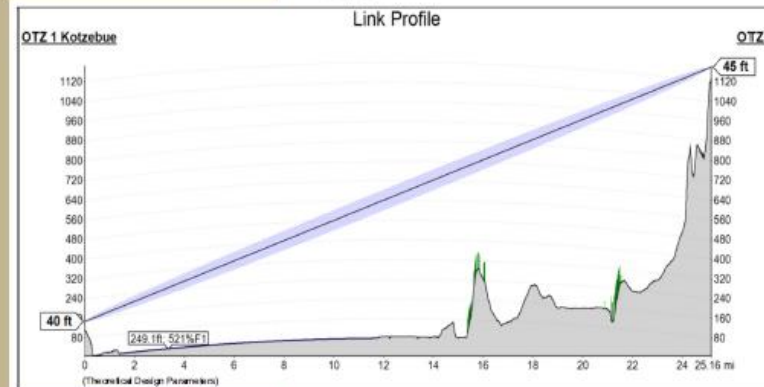
Project Benefits and Minimized Environmental Impacts

- Improved speeds and bandwidth
- Connectivity to existing land based fiber-optic lines at the Dalton Highway
- Provides system redundancy and improved reliability
- Improved telehealth and emergency response
- Improved economic development opportunities
- As a member-owned cooperative, OTZ is committed to rate transparency and community reinvestment
- Each tower site utilizes a very small footprint
- On-site power is provided by solar augmented by liquid propane fueled generators eliminating the risk of spills; refueling will occur annually (via helicopter)

This project ensures the sustainability of OTZ Telephone into the future

What's New?

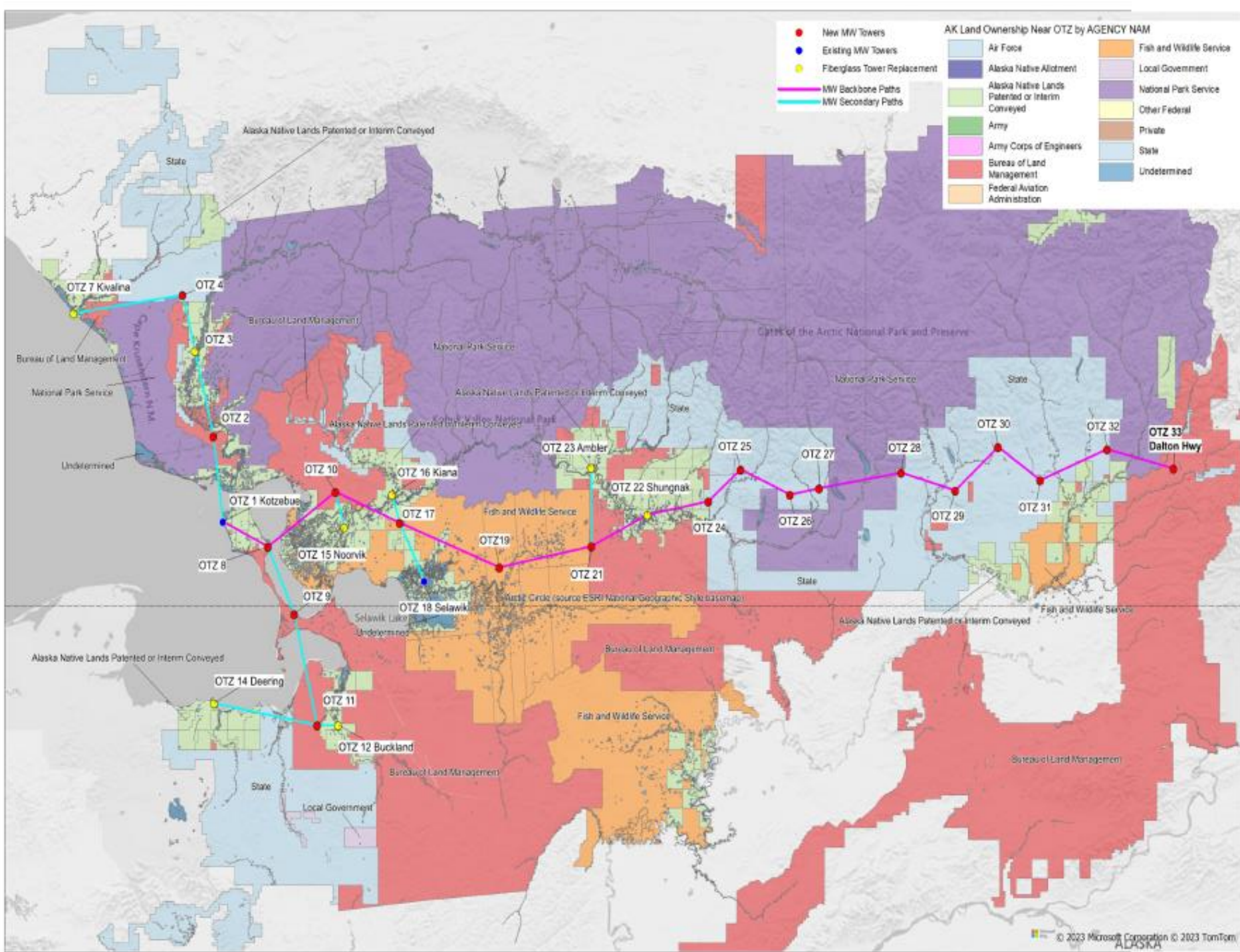
The project will provide a network of 28 microwave paths on 19 new towers, 8 pole replacements and utilizing 2 existing sites from the Borough to the Dalton Highway to provide true broadband and streaming capable speeds with no data caps.



Current Status

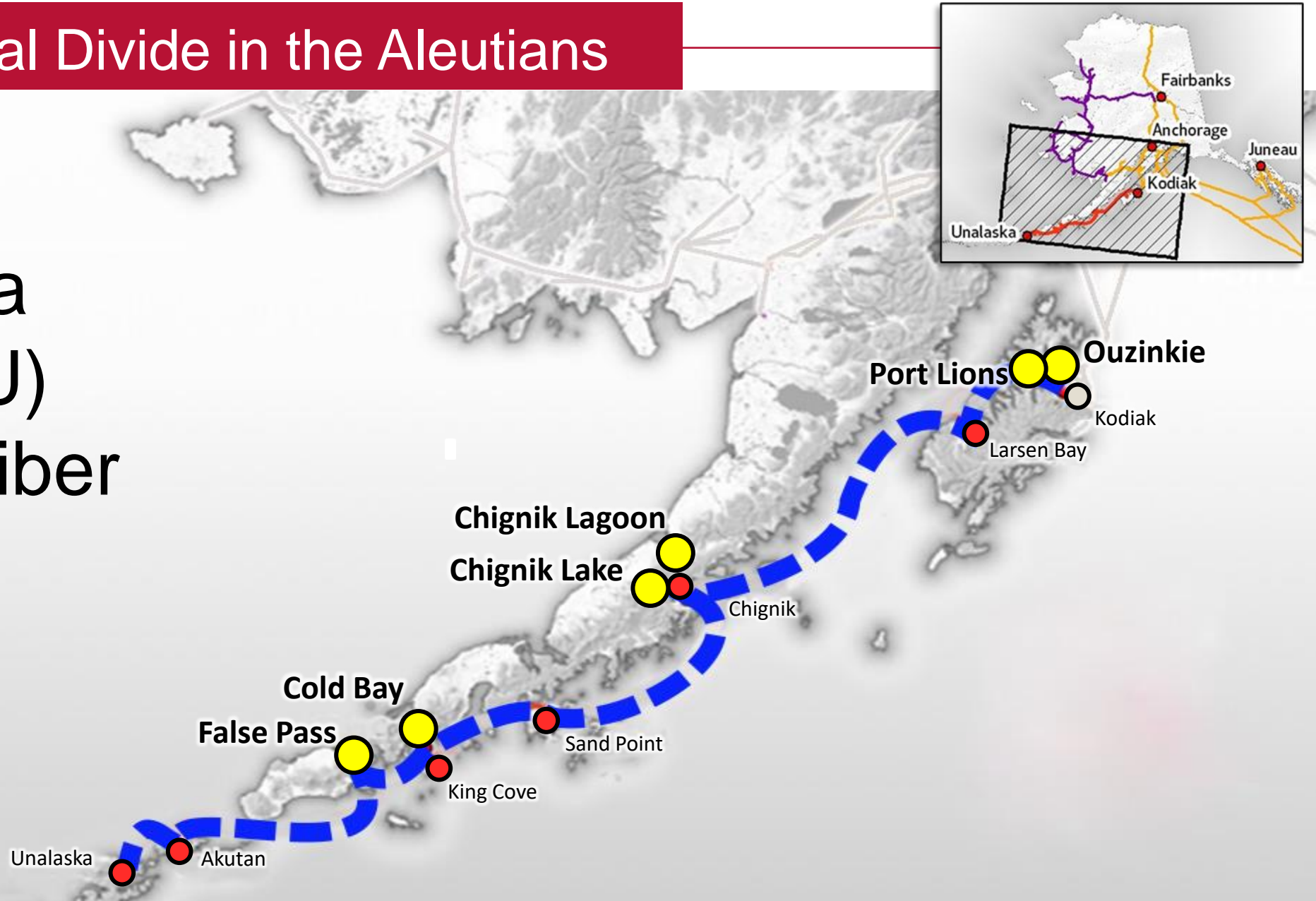
Procurement is underway. Project construction has started and will finish in fall of 2024. The last of the permits to finish the project is anticipated late 2023. OTZ has received funding for the project from the U.S. Department of Agriculture/Rural Utilities Service.





Closing the Digital Divide in the Aleutians

The Alaska United (AU) Aleutian Fiber Project



Closing the digital divide in the Aleutians

Phase I

- 800-mile subsea fiber project
- \$70M (\$25M USDA grant to GCI)
- Six communities

Phase 2

- \$29M (\$29M NTIA grant to Native Village of Port Lyons)
- Six communities



Aleutian Project Progress

- ✓ 844 miles of subsea fiber installed
- ✓ Dutch Harbor, Unalaska 2 gig service launched December 2022
- ✓ Unalaska 2.5 gig upgrade January 2023
- ✓ Unalaska 5G wireless service launched in August 2023
- ✓ King Cove, Sand Point and Akutan in-progress
- ✓ King Cove school and clinic connected

