



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

DEPARTMENT OF COMMERCE, COMMUNITY AND ECONOMIC DEVELOPMENT

ALASKA BROADBAND OFFICE UPDATE

Thomas Lochner
Director

Broadband Advisory Board Meeting
March 22, 2023

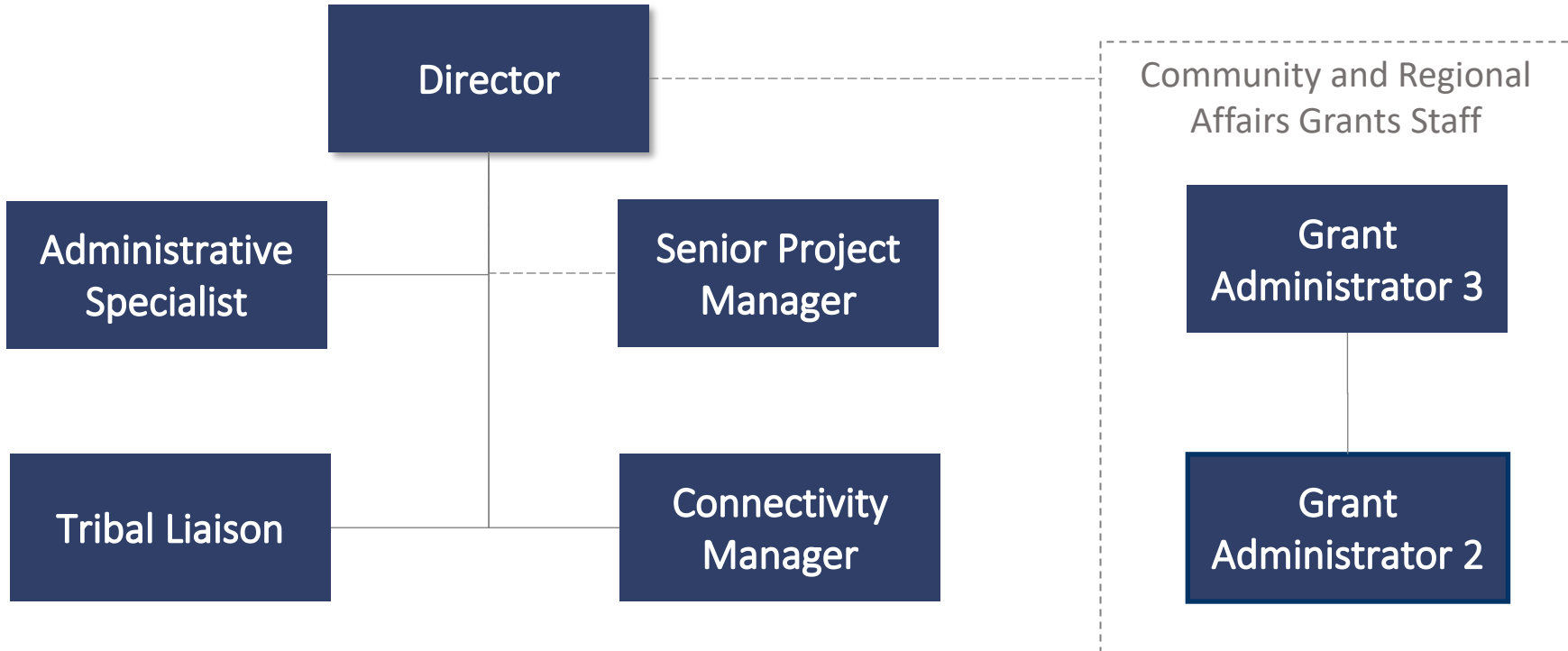


Broadband Advisory Board

Name	Appointed
Alaska Native Corporation: Anastasia Hoffman (Bethel)	01/23/2023
Broadband Consumer: Kathleen Moran (Anchorage)	01/23/2023
Broadband Industry: Christine O'Connor (Wasilla)	01/23/2023
Business Community: Tara Sweeney (Girdwood)	01/23/2023
Commissioner of Commerce, Community, and Economic Development or Designee: Thomas Lochner (Anchorage)	01/23/2023
Commissioner of Education & Early Development or Designee: Laurel Shoop (Juneau)	01/23/2023
Health Care Community: Archibald Ferguson (Anchorage)	01/23/2023
Local Government Representative: Glenda Ledford (Wasilla)	01/23/2023
Representative for Rural Energy Systems: Travis Million (Copper Center)	01/23/2023
School District: Steve Noonkesser (Dillingham)	01/23/2023
Technology Neutral Consultant: Charles Carpenter (Anchorage)	01/23/2023
Tribal Government: Charlene Stern (Fairbanks)	01/23/2023
University of Alaska: Michael Brase (Fairbanks)	01/23/2023
Ex Officio/House Speaker Appointee/nonvoting: Bryce Edgmon (Anchorage)	
Ex Officio/Senate President Appointee/nonvoting: Lyman Hoffman (Bethel)	



Alaska Broadband Office – Organization Chart





Infrastructure Investment and Jobs Act

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION (NTIA) PROGRAMS

Digital Equity (DE):
\$640,000,000

Broadband Equity, Access and
Deployment (BEAD):
\$42,000,000,000



Infrastructure Investment and Jobs Act – So Far

NTIA PLANNING GRANT AWARDS TO ALASKA

DE Planning Grant: \$567,800

Develop the DE Plan
due September 30, 2023

BEAD Planning Grant:
\$5,000,000

Develop the BEAD Program



Digital Equity – Digital Inclusion – Digital Literacy

COVERED POPULATIONS

- Households at/or below 150% of the Poverty Level
- Aging Individuals
- Incarcerated Individuals
- Veterans
- Individuals with Disabilities
- Individuals with a Language Barrier
- Individuals who are Members of a Racial or Ethnic Minority
- Individuals who Reside in Rural Areas

FUNDING

- Planning Grants: \$60 Million – Alaska Awarded \$567,800
- Capacity Grants: \$240 Million – Alaska's Award: TBD
- Competitive Grants: \$1.25 Billion – Alaska's Award: TBD



Broadband Equity, Access and Deployment

ALLOCATED \$42 BILLION FOR ALL STATES AND TERRITORIES

- \$100 Million Minimum Allocation per state
- High-Cost Allocation (10% of \$42B) = High-Cost in Alaska / High-Cost total for US
- Remaining Funds = Unserved in Alaska / Unserved total US

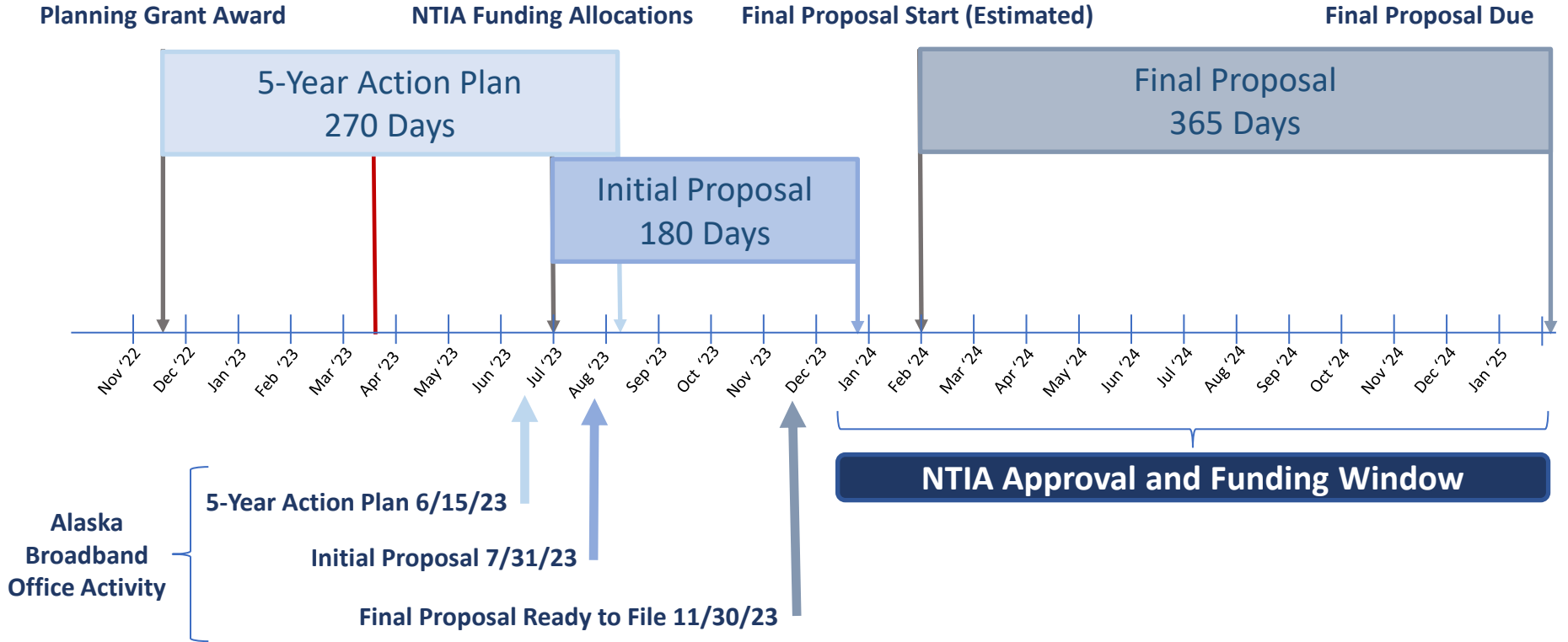
DISBURSEMENTS OF ALASKA'S ALLOCATION

Grants will be based on percentage of locations that are:

- Unserved - less than 25Mbps/3Mbps
- Underserved - less than 100Mbps/20Mbps and
- Unserved Community Anchor Institutions - less than 1Gbps/1Gbps



NTIA Milestone Dates & ABO Timeline





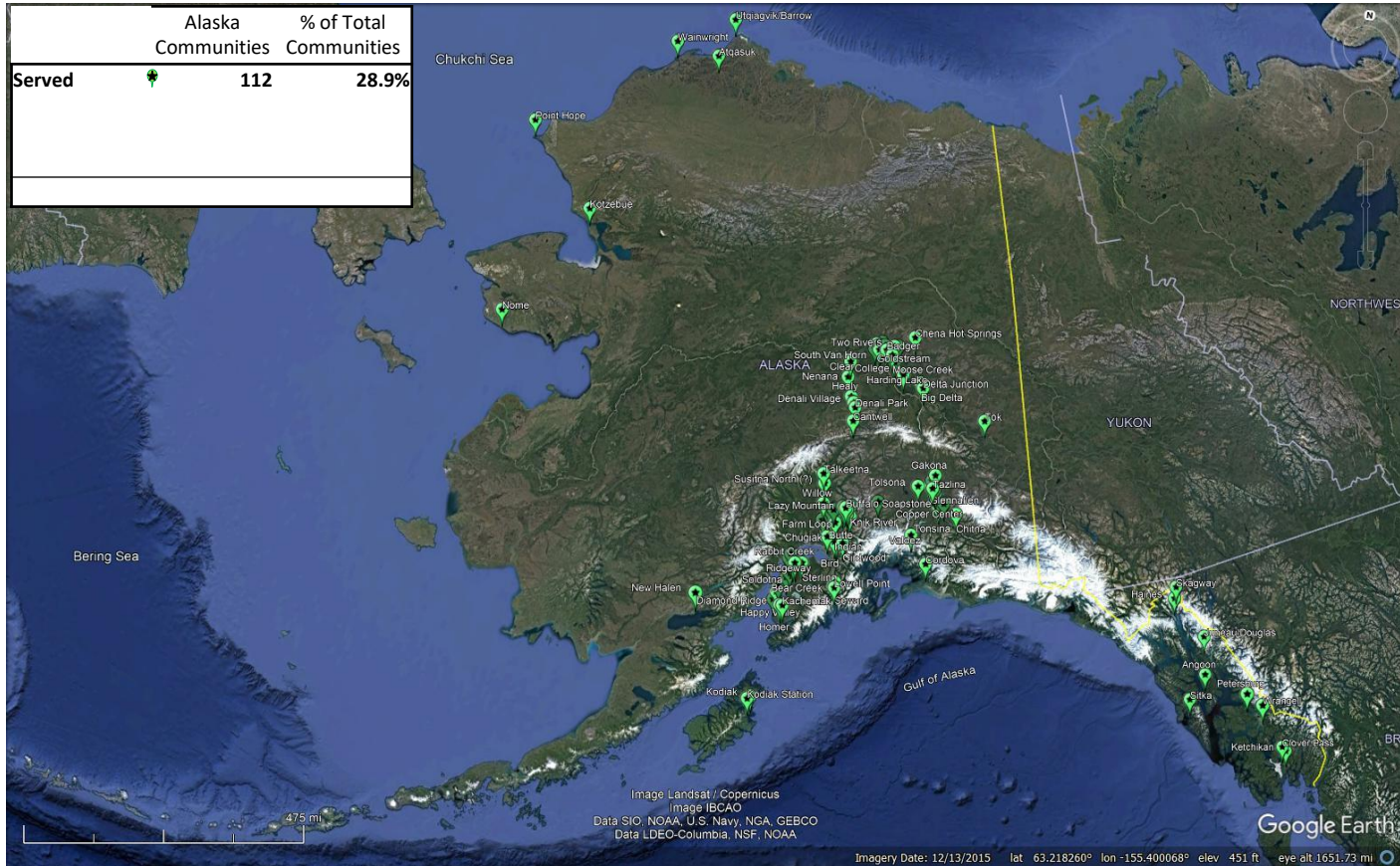
Grant Funding Disbursement Priority

- 1. Unserved:** 25 Mbps Download / 3 Mbps Upload Bandwidth
- 2. Underserved:** Between 25/3 and 100/20 Mbps Bandwidth
- 3. Community Anchor Institutions:** ...school, library, health clinic, health center, hospital or other medical provider, public safety entity, institution of higher education, public housing organization³, or community support organization that facilitates greater use of broadband service by vulnerable populations
- 4. Donut Holes:** 20% Unserved in a Served Location
- 5. All Other Initiatives**



Evaluation of Current Status of Broadband

	Alaska Communities	% of Total Communities
Served	112	28.9%

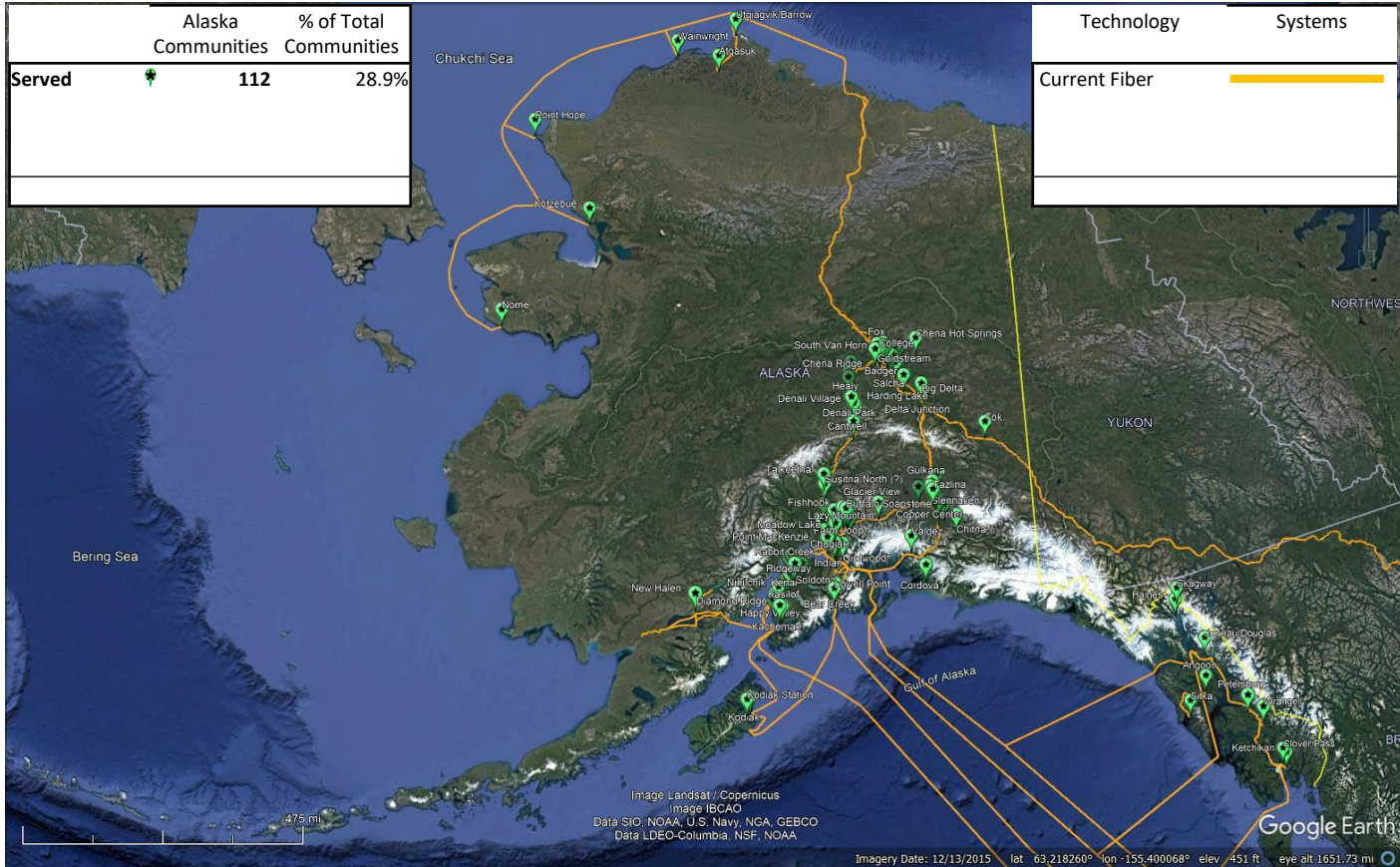




Evaluation of Current Status of Broadband

	Alaska Communities	% of Total Communities
Served	112	28.9%

Technology	Systems
Current Fiber	<div style="width: 100%; height: 10px; background-color: yellow;"></div>

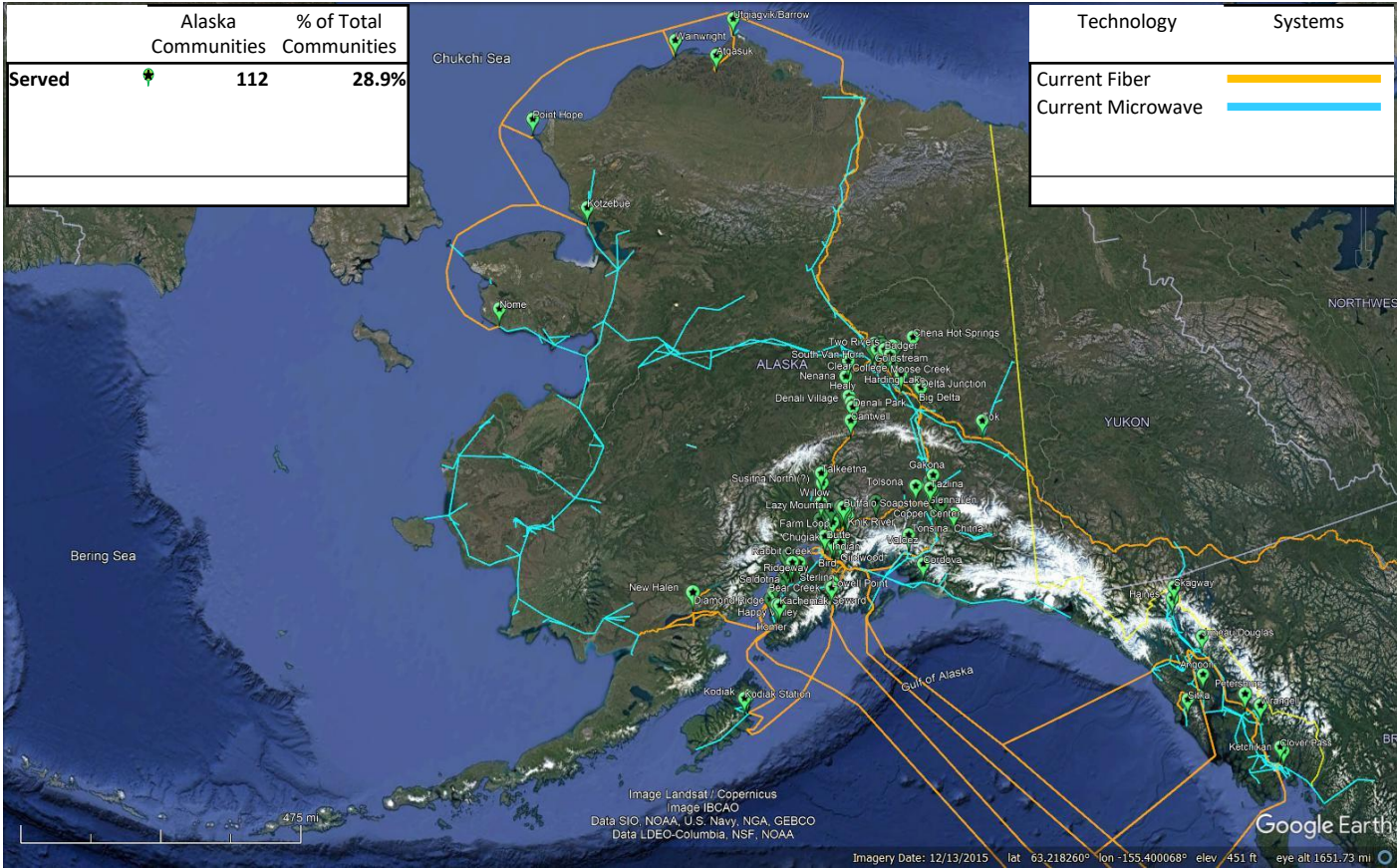




Evaluation of Current Status of Broadband

	Alaska Communities	% of Total Communities
Served	112	28.9%

Technology	Systems
Current Fiber	
Current Microwave	

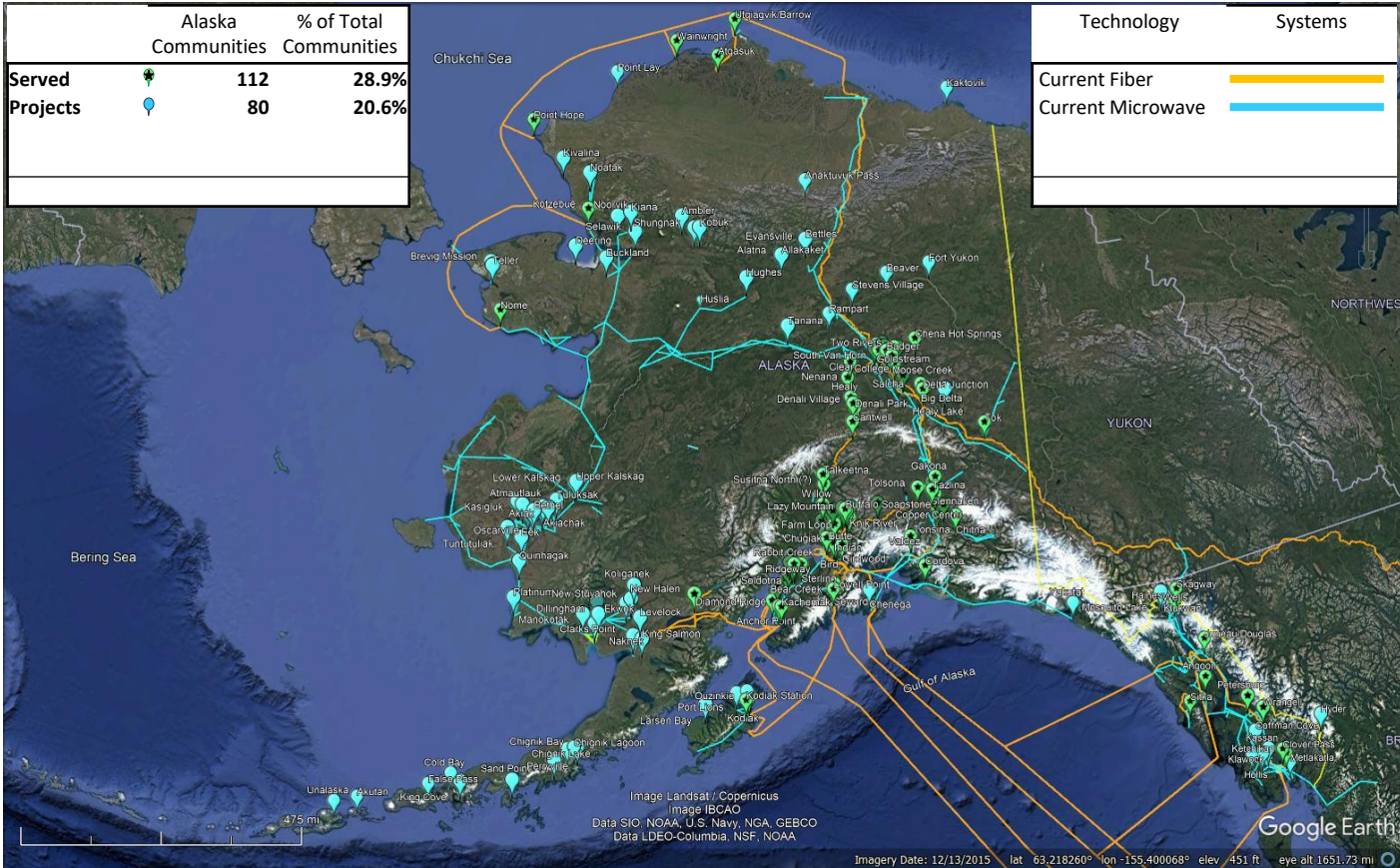




Evaluation of Current Status of Broadband

	Alaska Communities	% of Total Communities
Served Projects	112	28.9%
Projects	80	20.6%

Technology	Systems
Current Fiber	
Current Microwave	

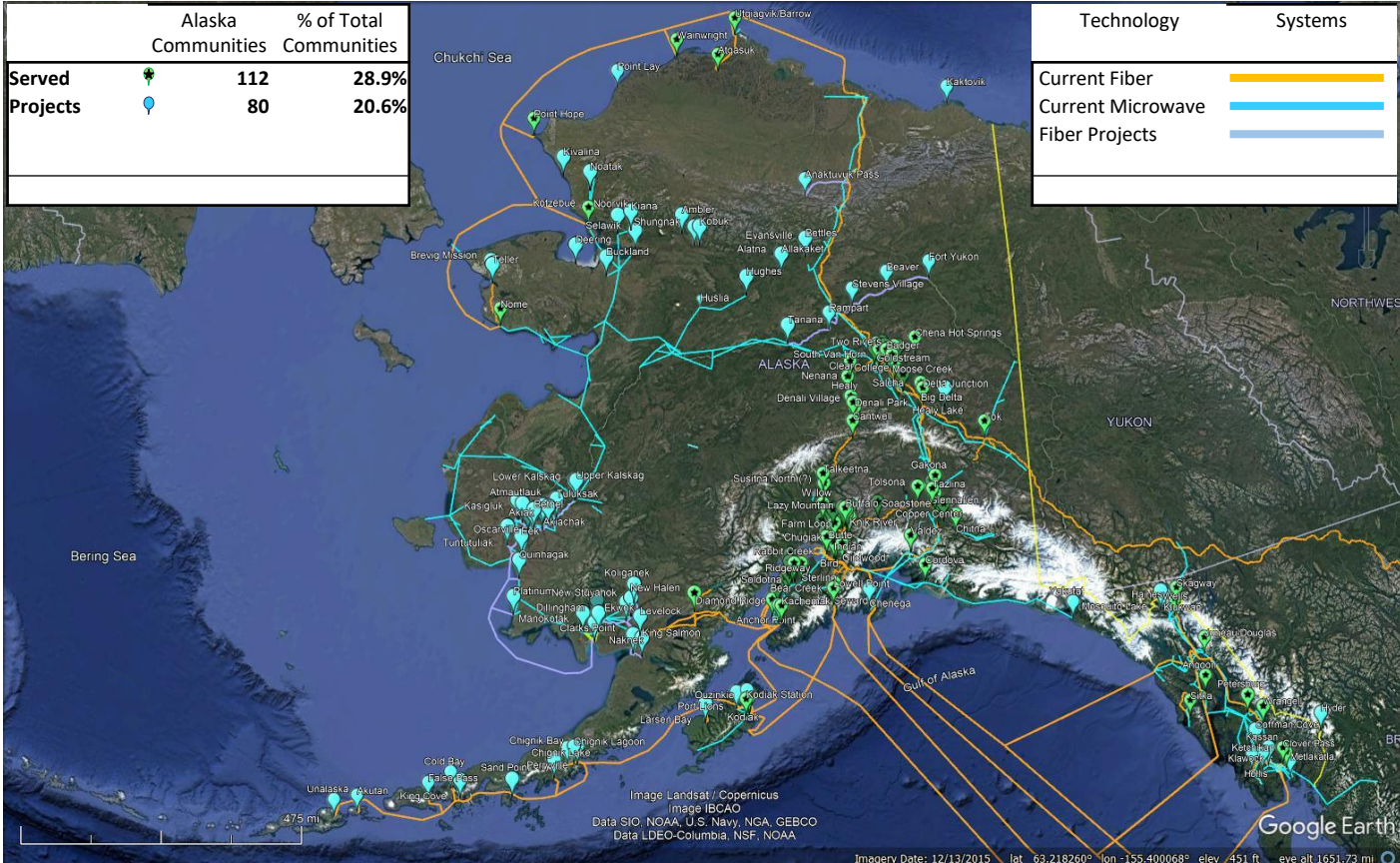




Evaluation of Current Status of Broadband

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Technology	Systems
Current Fiber	
Current Microwave	
Fiber Projects	

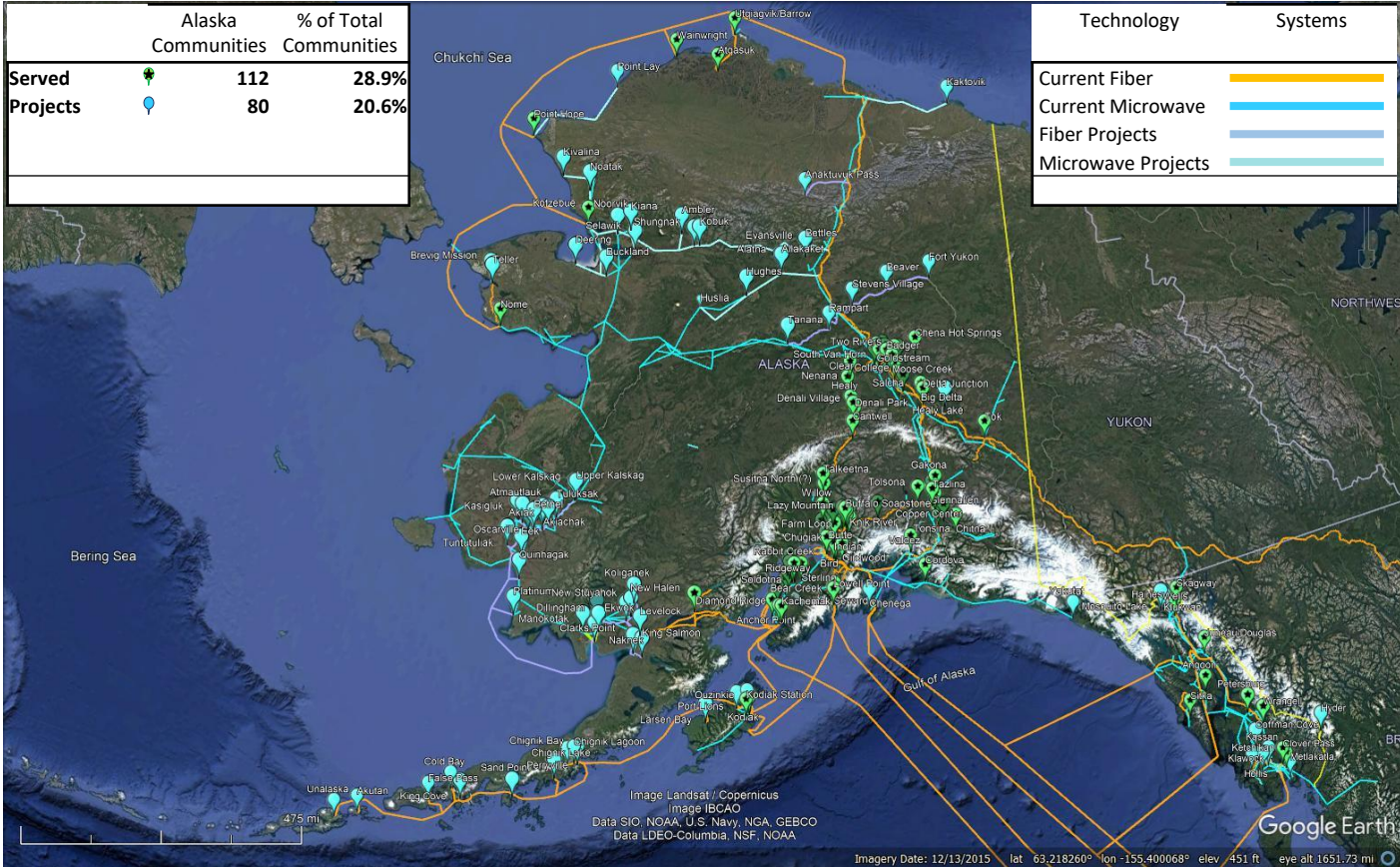




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Technology	Systems
Current Fiber	
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Fiber Projects	
Microwave Projects	

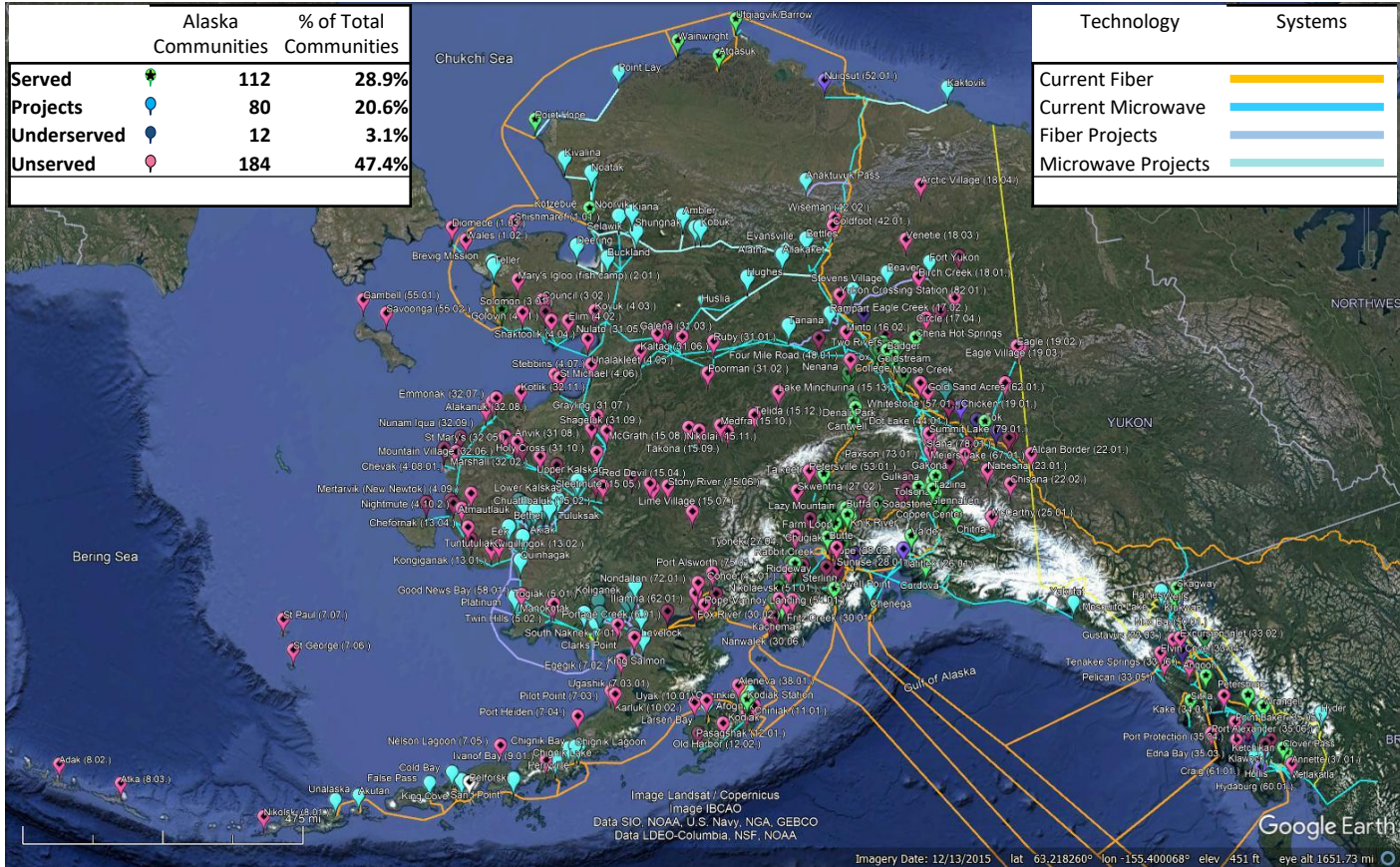




Evaluation of Current Status of Broadband

	Alaska Communities	% of Total Communities
Served	112	28.9%
Projects	80	20.6%
Underserved	12	3.1%
Unserved	184	47.4%

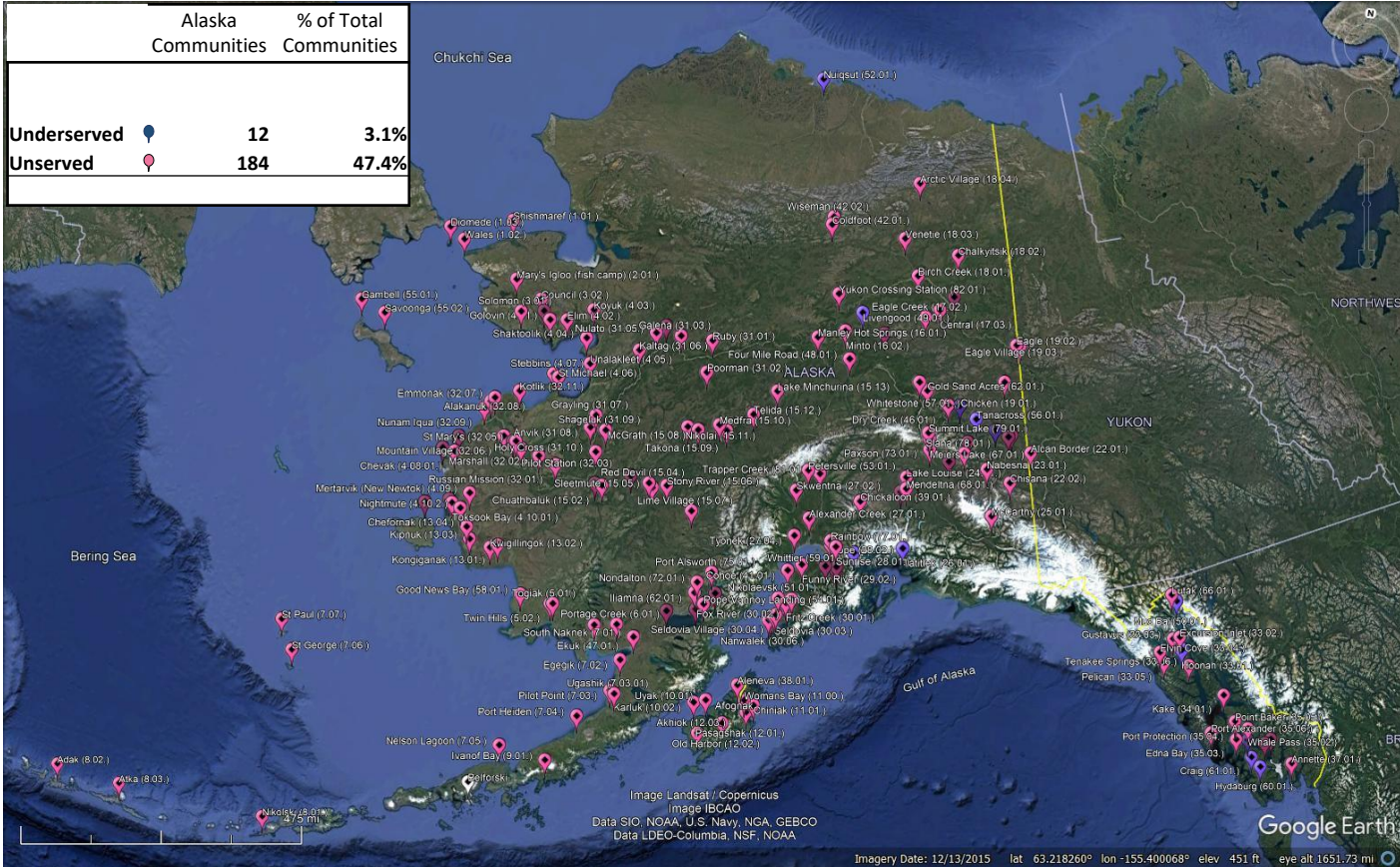
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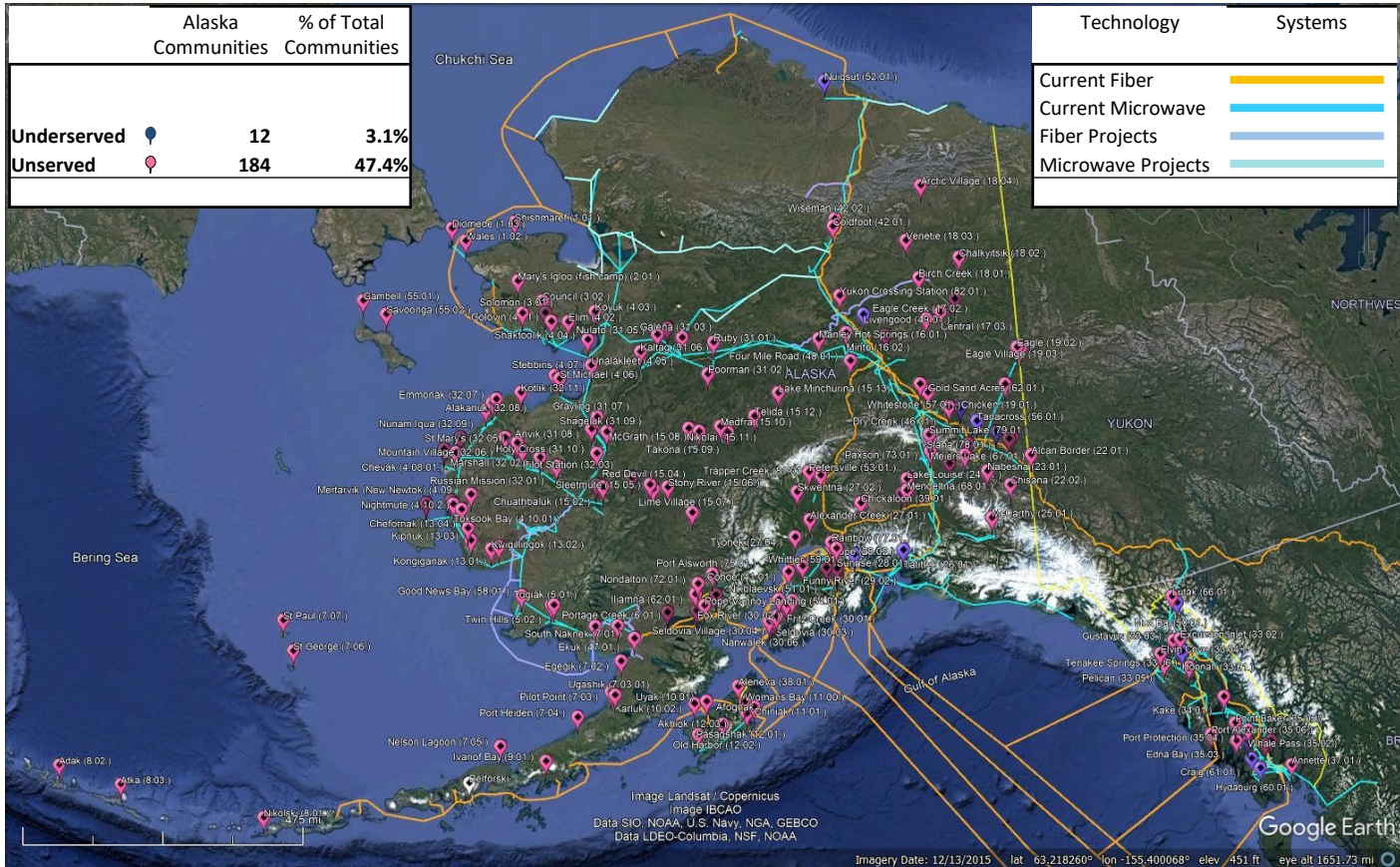
Network Ideas for Underserved/Unserved Locations

	Alaska Communities	% of Total Communities
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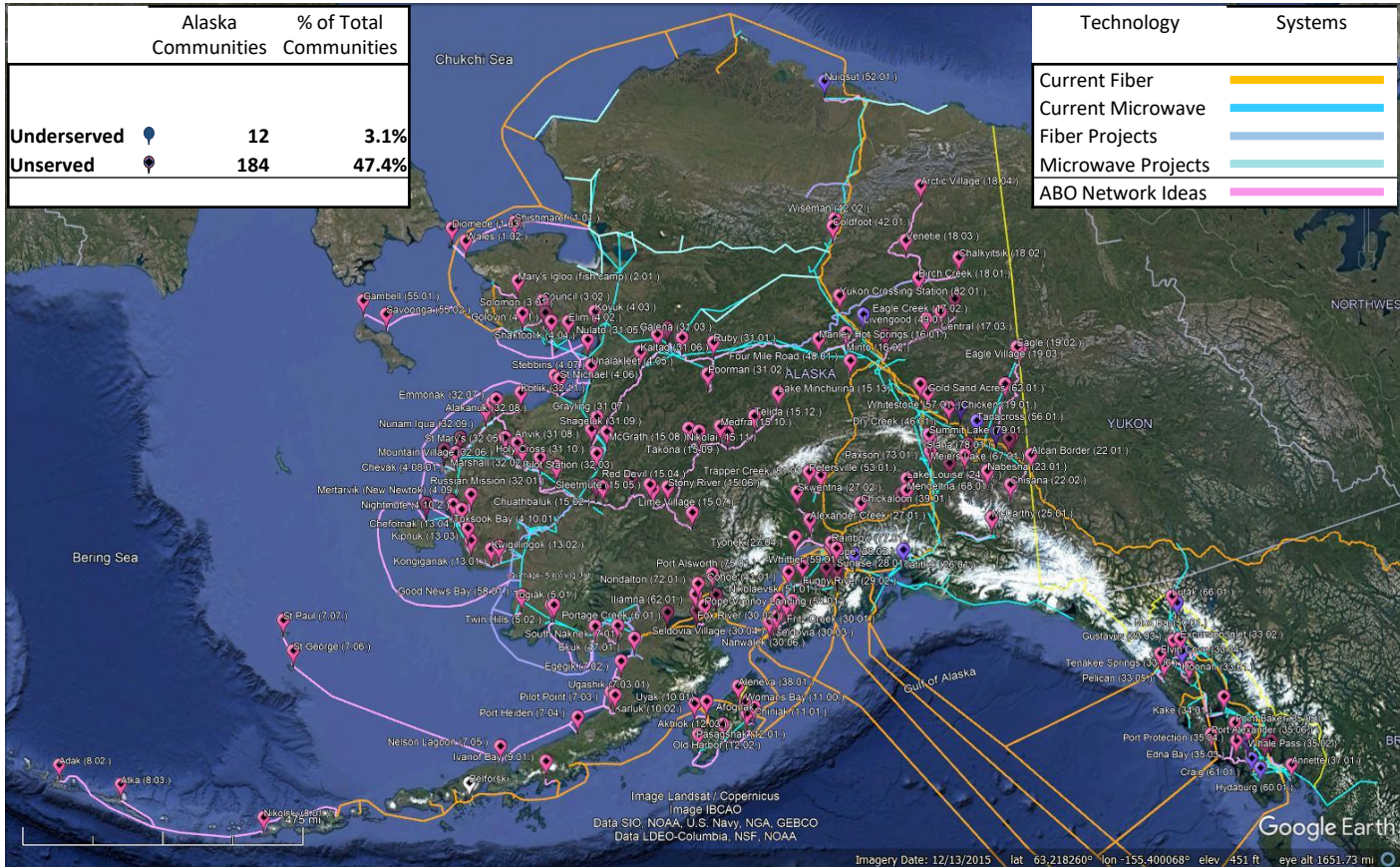


Network Ideas for Underserved/Unserved Locations



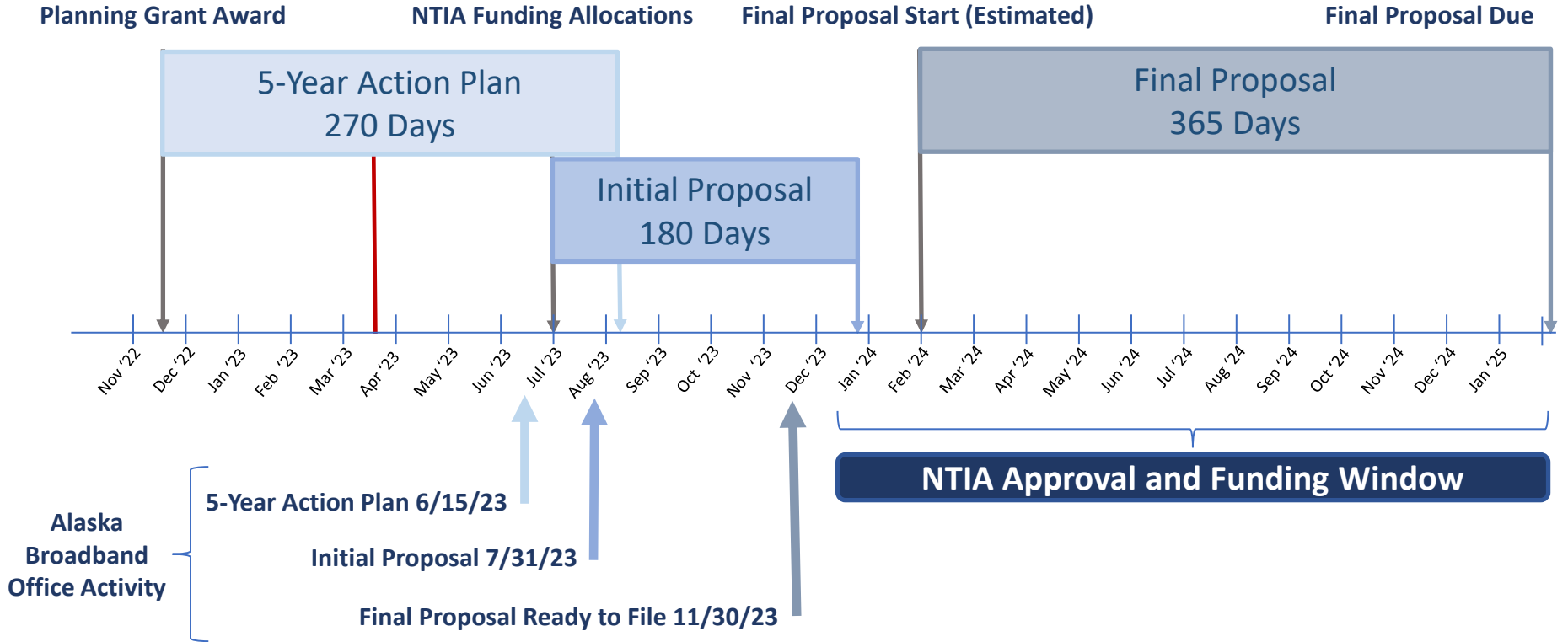


Network Ideas for Underserved/Unserved Locations





NTIA Milestone Dates & ABO Timeline





BEAD Next Steps – Five-Year Action Plan

Work with Communities, Tribes, Village & Regional Corporations, AFN, AML, Industry, and others to develop and submit a Five-Year Action Plan.

Outreach:

- Digital Equity Inclusion and External Engagement Process
- Alignment with Other Statewide Social / Economic / Infrastructure Plans

Network:

- Broadband Service Needs
- Asset Inventory
- Deployment Barriers & Obstacle Identification
- Comprehensive High-Speed Internet Plan

Logistical:

- Outline of Broadband Office, Employees, Consultants & Contractors, Program Work, and Anticipated Technical Assistance & Capacity Needs
- Broadband Funding Identification (Federal, State, Local & Tribal Providers) and Broadband Affordability Data



BEAD Next Steps - Grant Criteria - Initial Proposal

Primary Criteria: Fixed 75% of Scoring from Notice of Funding Opportunity:

- Efficient Use of BEAD Funding – How big is the match?
- Affordability – 1Gbps/1Gbps affordable consumer product
- Fair Labor Practices – Can and will Subgrantees comply with Federal labor and employment laws?

Secondary Criteria: Will the work be completed by a set date?

All Other Criteria:

- Network Design
- Operating Costs – Sustainable, Affordable and Scalable
- Alaska and Native Preference
- Carrier Neutral and Fair Pricing Practices



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Questions? Thank You!